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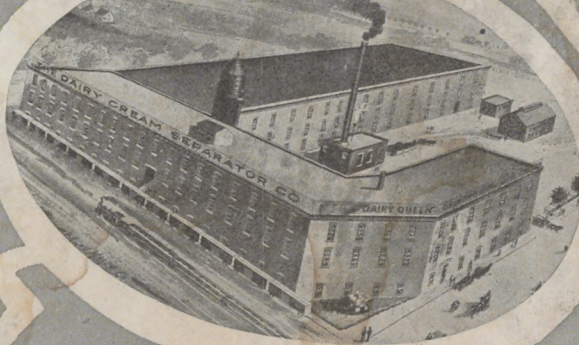
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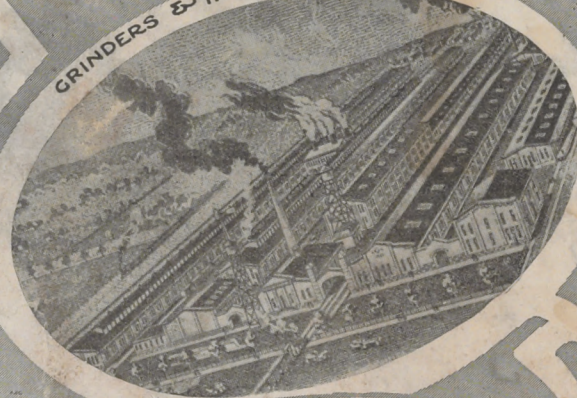


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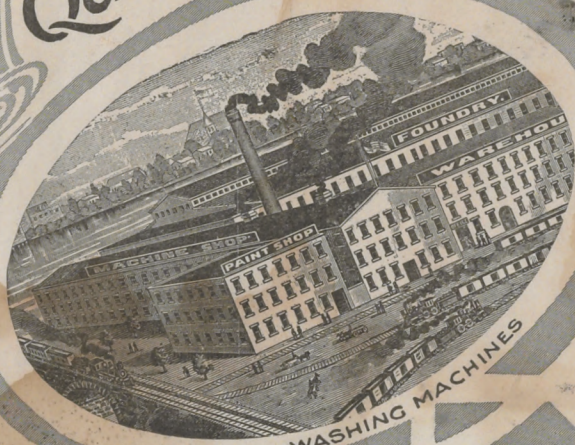


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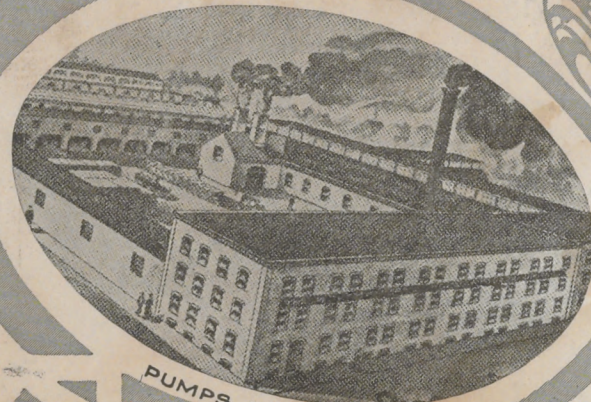
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# This Book is Published for the Convenience of Farmers, Stockmen, Dairymen and their Wives

**T**HIS Catalog will help you solve the drudgery of farming and show you how to make farming more profitable. **It will also serve your needs for a whole year**, because implements, machinery and other farm equipments are not subject to changes of style as are wearing apparel and dry goods. With some of the best equipped factories on the Continent producing the lines we sell you, no one else is better equipped to serve your needs along these lines.

We have made it possible for the farmers of this country to save thousands of dollars on labor-saving machinery and farm supplies. Our policy is to sell only standard high-grade goods direct, at the right price, saving you the Agent's and Middleman's profit, and if an article does not conform to our requirements, which are simply that it must be equal to any of its class manufactured in every respect, we never offer it to the public. (See page 4.)

## THESE PAGES TELL THEIR OWN STORY OF QUALITY AND MONEY-SAVING VALUES

Over 1000 items listed in this catalog—read it through, it will pay you. Index on next page

Gasoline Engines  
Grain Crushers  
Wood-Sawing Outfits  
Belting, Oils  
Power Outfits  
Pumps and Pump Jacks  
Threshers' Supplies  
Cream Separators

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Harness and Farm Trucks  
Hay Sling Outfits  
Blacksmith Supplies  
Hardware Roofings  
Washing Machines  
Stoves  
Sewing Machines

In comparing our prices with those of others, kindly remember that all our machinery and other supplies are built in standard factories, and made to compete with standard high-grade goods as sold by the best dealers, and we ask you not to compare them with the cheap price propositions that are being offered to the farmers to-day, at a price at which a really good article cannot be sold direct. For proof that we sell the best goods on the market, read page 4.

We have never experimented at the expense of the farmer; no improvement is adopted, no change made and no piece of machinery offered our customers until it is thoroughly tried, not only in our own experimental department, but in the different sections of the country and for the purpose it is intended. When you buy from us you can rest assured that its construction has been thoroughly tested and tried out and it is the latest and most approved type of machine that man's ingenuity has devised. Our customers rightly expect the best goods, the best service, the best treatment—we desire to give you all these and more.

We guarantee your orders the consideration and intelligent handling they deserve. We guarantee to fill your orders promptly and that shipment will reach you in perfect order, without loss or damage. We assume the full responsibility for making every transaction with you a satisfactory one. No farmer or stockman, acting in his own interests, can afford to place a dollar's worth of his business elsewhere and, backed by our liberal guarantee of absolute satisfaction or your money back, you are insured against any possible loss or disappointment.

**REMEMBER, THERE IS NOTHING in our advertising that is not in our goods.**

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On Gasoline Engine and Cream Separators, see special proposition on Page 4.

## C. O. D. SHIPMENTS

If for any reason a customer thinks that the goods are not all we represent them to be, we are perfectly willing to meet you more than half way and will ship to you C. O. D. subject to examination, and if possible on this plan we would like you to give us a bank reference.

## FREIGHT SHIPMENTS MOST PROFITABLE WAY

The cheapest and most profitable way of transporting all merchandise. No matter where you live, even after paying the freight we guarantee to save you money.

If you have no agent at your shipping point, freight charges must be prepaid, and if you do not know what these freight charges will amount to be sure and send us enough money to cover them. If you send us more than the amount we need to prepay the charges, we will at once return you any balance.

If you have an agent at your station, it is not necessary to prepay freight charges. In fact it is better not to have them prepaid. The charges are exactly the same no matter whether you pay them or we pay them.



You are always proud to have prize-winning stock on your farm.

Why not own a prize-winning Engine? The results of the gasoline engine competition open to the world, Canadian Industrial Exhibition, 1914.

From Judge's Report on Gasoline Engine Contest at Winnipeg Fair, July 15, 1914

Make of Engine	Rated H.P.	H.P. on Brake Test	Economic Brake Test		Feed Grinding Test			Price of Engine at Winnipeg	Total Number of Points scored
			Lbs. of fuel used per 2 H.R.'s	Cost of fuel per 10-hr. day for each H.P.	Length of Test	Lbs. of Barley ground	Cost of fuel per 100 lbs. feed		
Judson.....	7	8	9.1	21.6 cts	1 hour	1,010	1.33 cts	\$205.00	411.9
Lister.....	5	5.8	6.7	24.6 "	1 "	720	1.72 "	275.00	406.5
International Harvester Co.....	6	6.5	10.9	26.6 "	1 "	723	1.65 "	300.00	385.3
Cockshutt.....	8	7.85	12.3	25.6 "	1 "	580	5.18 "	415.00	382.5
Cushman.....	4	3.95	5.25	22.4 "	1 "	441	1.76 "	195.00	383.9

HERE IS

THE PROOF

THAT'S why we guarantee our Engine to be better than any engine on the market, regardless of name, make, or price.

We not only save you money on the cost of an Engine, but we save you MONEY ON FUEL when using our Engines that is you get more work per gallon of gasoline from our Engine than any Engine you can buy.

"SO GOOD YOU CAN WRITE YOUR OWN GUARANTEE."



## Our One Price Policy

We are the pioneer advertisers of directly sold gas engines in Canada. Our One Price policy is a matter of public record, our advertising having appeared regularly during the last few years in the leading farm journals of Western Canada.

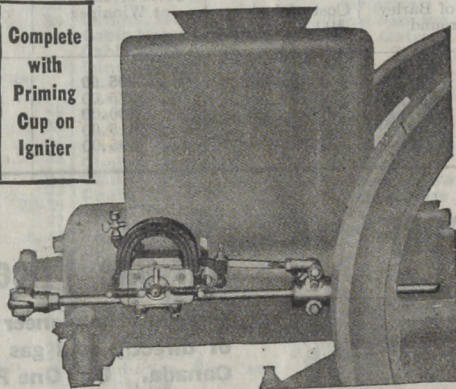
When we started we had no competition. Since then many engines have come on the Canadian market. If our prices had been too high for the quality of our goods, competition would have compelled us to lower those prices. But the fact is that our prices have always been right and we have never changed them except for added improvements. And to-day our prices are the lowest ever given on an absolutely high grade engine sold direct to the consumer. We are among the biggest sellers selling from COAST to COAST. Over 80 per cent of our sales are made to farmers whose neighbors have our engines.

An Engine that is Good Enough to Win a Competition of this kind is the Engine you want. Why Experiment with Unproved Engines? Send us Your Order to-day. You will be satisfied. The winning of this Competition also proves to you that we have the Highest Quality Merchandise, and no other Mail Order House in Canada has ever attempted to duplicate our quality at our prices.



## SELF-CONTAINED MAGNETOS ON JUDSON ENGINES

Complete  
with  
Priming  
Cup on  
Igniter



A part of the engine, built right on the igniter. A strong fat spark furnished automatically when needed, as long as the engine lasts, and the supply is inexhaustible. It is dependent upon no outside source of supply, it is not affected by grease or water, is always ready to run and will last as long as the engine.

Start the engine from the magneto—no batteries, no coil, no switch, no wires—all you have to do is fill the tank with gasoline, open the gasoline valve, turn over the fly wheels and away she goes. Operates just as easily in cold as in warm weather, giving an intense arc flame. Owing to the advanced construction of this magneto you get the sparks of the same intensity whether the engine is turned by hand at 10 R.P.M. or is running at 500 R.P.M. The spark can easily be advanced or retarded.

**A MAGNETO IS THE MOST SATISFACTORY METHOD OF IGNITION ON AN ENGINE**

## MORE POWER—LOWER COST

We guarantee a surplus of 10 per cent H.P. above rating and we guarantee our engines will produce a greater surplus H.P. than any other engine of their rating on the market. What you really buy an engine for is the power it will develop and you want to make sure the engine you buy is not over-rated, otherwise you cannot depend on any surplus when you need it, every one of our engines must show a strong surplus of H.P. over catalog rating before leaving the testing floor.

Page 4

## JUDSON ENGINES BUILT TO LAST

You can readily see from the illustrations on this and the opposite page that Judson Engines are built to run continuously, day in and day out for years, and this is a feature that should not be overlooked in purchasing an engine.

Judson Engines are built with large bearings, over-size crank shafts and connecting rods, heavy fly wheels, everything in proportion to make an easy, smooth running engine—an engine that will do the work and do it as long as any other engine made.

## OUR Engine and Implement GUARANTEE is Absolute Protection FOR YOU

**WE** accept your order with the understanding that you are to take (any piece of machinery) purchased from us and try it out thoroughly at your own work, and under any conditions that one could impose upon a machine of its kind; try it out alongside of any similar machine of other makes.

Give it every test you can possibly think of, and if it does not satisfy you absolutely, and convinces you beyond all doubt that it is in every way the superior machine we claim, and as good a machine as you can possibly buy elsewhere at any price, we expect you to send it back to us at our expense and we will return to you the full price you paid for it and freight charges.

## THIS ENGINE IS ENDORSED BY OVER 150,000 SATISFIED USERS THE WORLD OVER

Our claims to be superior are not based on freaky designs, but on symmetrical appearance, simplicity of operation, economy of fuel, the best grades of material and correct mechanical workmanship. One hundred and fifty thousand farmers the world over have endorsed this engine—a splendid record made possible by eighteen years of successful manufacturing and by the quality and improvements that have always made this engine a leader.

## PICK OUT YOUR ENGINE

How would you do, Mr. Farmer, if you happened to be selling the best engine on the market at a price which, value for value, was away below competitors' prices? Of course your neighbors would smile when you said your engine was the best. Because everybody says that. Wouldn't you just say, "Here, no use talking. Let the engine talk. I'll lend it to you."

## "TAKE IT HOME AND TRY IT."

Wouldn't you say that to your neighbor? (Read the proof that we have the best engine on Page 3.)

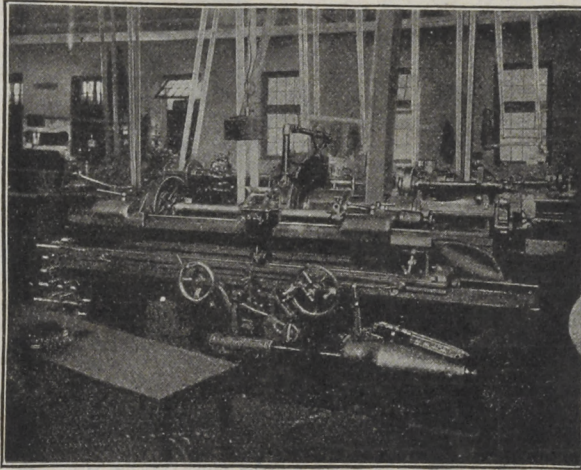
Well, that's what we're doing right here. We say to you:—Pick out your engine. What size do you want? Read over these specifications. Then send us cash with order or if you would prefer not to send the money with your order, send us a bank reference or go to your banker in your home town and get from him a letter saying that he knows you to be reliable (which you can easily do). Enclose this letter with your order and we will at once ship the engine selected. After you have had thirty days' trial and are satisfied that the machine suits you in every way you can then send us the money.

## ANYONE CAN RUN A JUDSON ENGINE

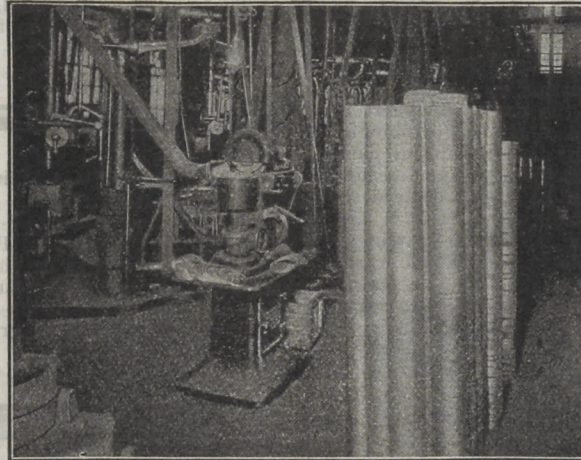
You do not have to know anything about a gasoline engine to run the Judson, it is so simple, and we send such complete instructions with the engine that anyone can learn all about it in a short time. They start easily in the coldest weather. There are no complicated parts to get out of order, no fine adjustments that require the service of an expert. The engine is shipped complete, including starting crank wrenches, oil cans, oil and cup grease, all set up, each part being tagged with explanatory card, so that all you have to do is knock off the crate, fill the gasoline tank (in the base) and the engine is ready to run. We furnish free an engine instruction booklet.



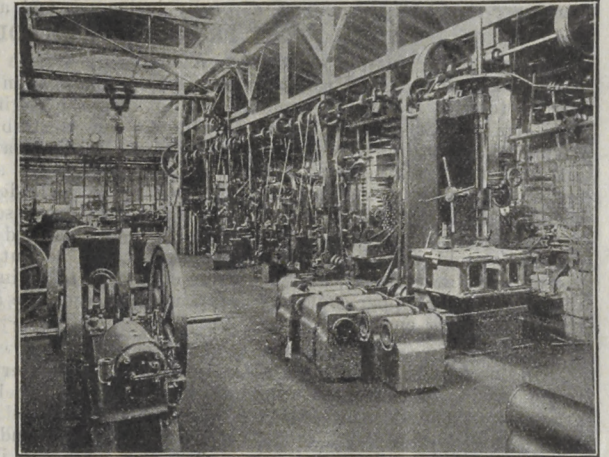
# *Actual Photographs Representing Partial View of Machine Shops, Showing the Large and Automatic Machines that Reduce Manufacturing Costs and make the Judson Engines so good*



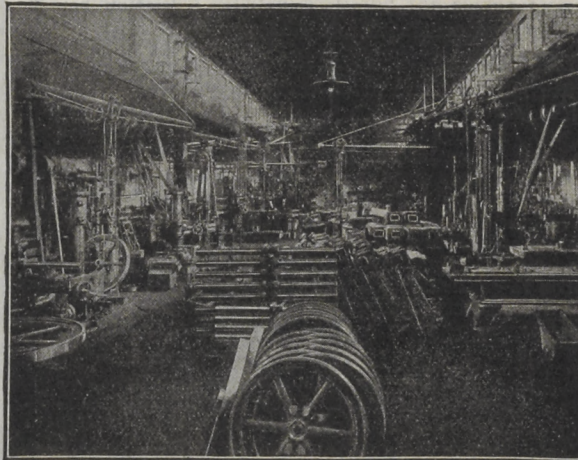
One of the large lathes that makes all parts so they will interchange



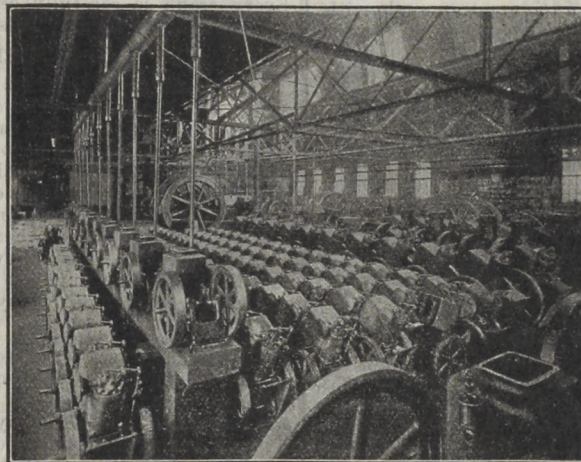
Automatic piston ring grinder



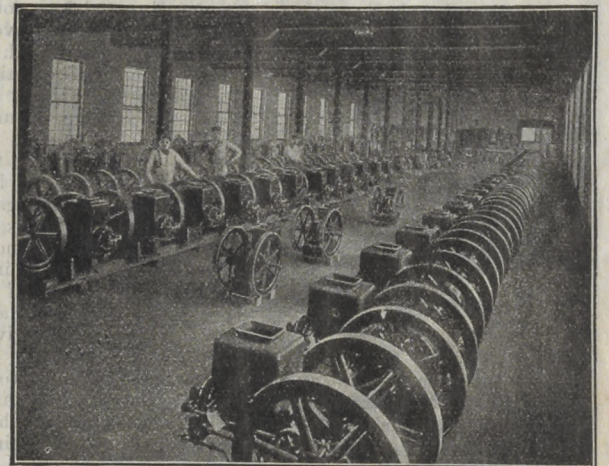
Boring cylinders—a close fitting piston and cylinder means good compression



Turning crank shafts from drop forged steel—the same as used on high grade automobiles



Putting the engines together. Every engine is carefully tested



Painting room. Every engine will compare in finish with other high grade engines selling for twice the price we ask



# General Information on the Construction of the Judson Engines

The service you get from a gasoline engine depends on the design of the engine, the material used in its construction and the way it is made. Judson Gasoline Engines have been in use for a great many years and have never failed to demonstrate their superiority over other engines costing even double their price. The best material is used in their construction, the workmanship is high grade in every respect. All parts are accurately machined, carefully inspected, and are absolutely interchangeable.

## FROST PROOF HOPPER COOLED

We use this system of cooling on our engines from 1½ to 15-h.p. inclusive. The hopper, which is cast on the cylinder, is large enough, in proportion to the size of the engine, to hold the proper amount and to keep the engine at the proper temperature. For farm purposes, this scheme of cooling is very desirable, and especially for mounted engines. With this system we eliminate the trouble caused by the freezing of pump and pipe fittings necessary on tank-cooled engines. It also insures the same results for cooling with a smaller amount of water. Cylinders can be easily drained, by opening the drain cock or providing with a frost-proof solution.

One very important feature about the hopper cooled engine is, that in starting in extremely cold weather, a pail of hot water can be put in the hopper, which warms the oil and the cylinder, allowing your engine to start immediately. This is a feature that places the hopper cooled type far in advance of the air cooled, especially in regard to the pumping engines.

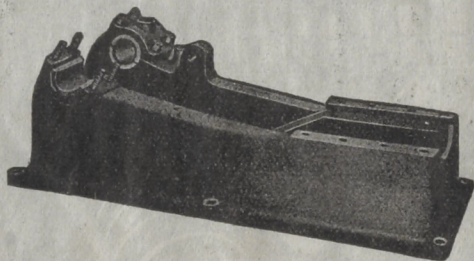
## CASTINGS

In our foundry every care is taken to produce the very best quality of close grained tough castings. A careful analysis is made of all ore before it is used, and the low grades are promptly rejected.

By use of the latest methods, skilled foundry men and constant vigilance, we secure a uniform, high grade of castings, and do not use scrap iron in any of our materials.

## THE ENGINE BED

On the engine frame or bed depends in the greatest degree the strength of the engine and its durability and quiet, smooth running. This feature of our engine has been made unusually heavy. The bed should be long enough, between the cylinder and the counter shaft, so that the connecting rod does not make too great an angle with the cylinder when the crank is perpendicular. This saves wear and makes the piston work easily and without friction on the cylinder wall.



dom the cylinder should have to adjust itself.

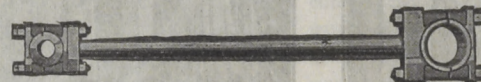
We put the gasoline in the base, where it ought to be, doing away with the exposed tin tanks, that are liable to explosion and constant leakage. It costs us more, but then our aim is to give you high-grade engines. The bases are all cast separately from the beds, which is the reason every part of our engines can be accurately machined and levelled.

The main bearings are set on an angle of thirty degrees, and are particularly long, insuring long life and even lubrication to the bearings, as well as distributing the thrust equally throughout the bed itself, instead of placing the strain against the bolts which secure the crank box caps to the main frame. The cylinder and the bed should never be cast in one piece, because the designer of such an engine deliberately throws away the strength the bed should give the cylinder and the free-

The finished product that we offer you in an engine is the fitting climax to the efforts of one of the most modern Engine factories in existence. Our engines range in size from 1½-h.p. to 45-h.p., and for almost any purpose you require them.

## CONNECTING RODS

The connecting rod used on our 1½ to 7-h.p. engines is of the latest 1-beam construction, same as used on the highest grade automobiles, and insures great strength and durability.

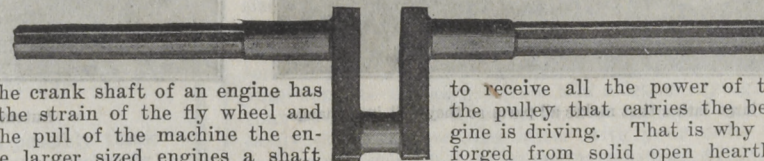


The piston and bearing on all connecting rods is phosphor bronze, and all the piston rings are hardened steel. The bearing is adjustable by lock nuts, and is split on one side,

space being allowed for taking up wear. The crank and bearing on these sizes is of the best die-cast babbit.

On all engines from 8-h.p. up, we use forged steel crank shafts, turned and polished from the rough. Phosphor bronze split boxings on each end, that is, on the crank shaft as well as on the piston end, with double adjusting bolts, easy of adjustment, and ample wearing surface is allowed for both crank and piston pins. On all our crank shafts the piston end is oiled by sight feed cup, through a tube in piston, and crank end is oiled by grease cups of ample proportion.

## THE CRANK SHAFT



The crank shaft of an engine has the strain of the fly wheel and also the pull of the machine the engine on the larger sized engines a shaft billets, without wells of any kind; on the smaller sized engines they are drop forged. Every crank is carefully centered and turned to size, the maximum variation being 1000 part of an inch. This makes them interchangeable on all machines.

to receive all the power of the engine the pulley that carries the belt and engine is driving. That is why we use forged from solid open hearth steel.

## REMOVABLE DIE CAST BEARINGS

All main shaft bearings are extra long, and are fitted with the best quality high-speed babbit metal. The main bearings are set at an angle of 30 degrees, which places the bushing at the same angle. By this arrangement, the piston thrust is delivered at the strongest part of the bearings and the strain distributes equally throughout the main frame. This feature prevents trouble with the main bearing, the upper and lower boxings meet, and the strain is forced against the bolts, which holds the crank which is common with engines otherwise constructed, that the thrust is delivered at the point where boxes in position.

If the bearings should ever wear so that they have to be replaced, they are removable; you can purchase new ones at a small cost; the old ones can be taken out and the new ones put in by yourself in a very short time.

## FLYWHEELS

Right here we want to draw your attention to the flywheels, because on the proper design and balance of the flywheel depends the smooth running of an engine. Our flywheels are unusually heavy and perfectly balanced. They are balanced against the impulse of the piston by taking out weight on the crank side instead of adding it opposite, as it is usually done. This feature steadies the motion, and increases the efficiency of the engine, that is why our engines run so smooth and quietly.



## CYLINDER

**T**HE CYLINDER is really the most important part of the Engine and calls for close and careful inspection. They are all made from a close grained iron especially adapted for this purpose, bored and reamed to the proper size.

## CYLINDER HEADS

All our cylinder heads are water jacketed and ample space allowed for the free circulation of water around the intake and exhaust valves. The head is bolted to the cylinder with heavy stud bolts, and only the highest grade packing used, which insures a water and air-tight joint.

Valves we use are one piece steel drop forged of the poppet type, which eliminates all trouble, as the iron valve heads, with steel stems commonly used on some engines, are unreliable, because cast iron and steel do not expand and contract the same, consequently the cast iron valve head will not stay tight on the steel stem.

## GOVERNOR

The governor on the Judson Engine is of a centrifugal type, being connected to the fly wheel and engaging the governing intent without the use of gears, maintains a uniform speed on varying loads. It is so sensitive, it feels the slightest change in speed, and it automatically regulates the supply of gasoline and holds the exhaust valve open when the engine is at moderate speed, freeing the machine from resistance on the idle or first stroke.

On the idle stroke, the side rod valves, igniter and gasoline pump are not in action, thus saving wear and adding to the life of action these parts. This is a very important feature and is found only on our high grade engines.

## IGNITION

We use the standard type of make and break, the igniter having one insulated pole, and the engine forming the other.

By reducing the duration of contact of the points we secure great economy in battery. Our ignition trip is inactive until a spark is necessary, thus effecting a saving of wear on igniter springs and points.

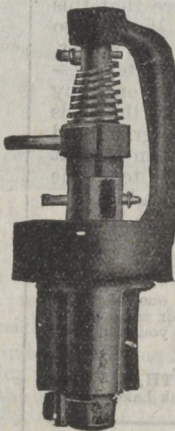
Instead of asbestos packing between the cylinder and igniter, we use a copper gasket, which prevents liability of its blowing out, and saves repacking when the igniter is removed for any purpose. This insures a joint that will stand high compression without leaking.

COPPER GASKET



A high grade feature found only in Judson Igniter is an out-board bearing which forms a support for the movable electrode and eliminates 90% of igniter trouble, because it prevents the moveable electrode from binding the igniter

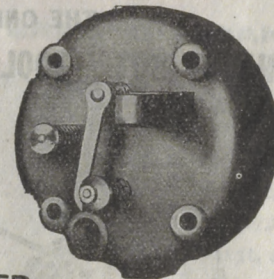
body, a trouble commonly found in igniters constructed without this bearing.



## ADMISSION VALVE LOCK

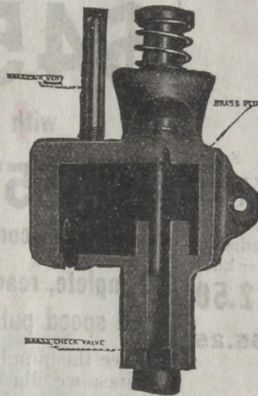
On all our engines above 3 H.P. we use this automatic lock on the intake valve. This prevents the constant suction of the piston on the idle stroke, and it is very economical in fuel consumption.

Gasoline drawn to the cylinder on the idle stroke of the piston produces no power and results merely in a waste of fuel. We always keep in mind the ultimate interests of the consumer to try and give them only the best; that is why this improvement is not found on any other engine but the Judson.



## POSITIVE PUMP FEED

This is a very important feature, and is found only on high grade engines. There is no waste of gasoline or leaking, such as with the suction type feed, because the pump maintains an even supply of fuel in the reservoir. This pump is self packed, positive and simple; in action is worked by the side rod, which operates only when fuel is needed. The mixer is protected by a fine wire gauge screen, which prevents foreign substances entering with the gasoline. We have tested and tried all types of feeds, and for economy in fuel and positive working, the pump feed is the only type that is fit to use. Your common sense will tell you that gasoline being forced into the mixer as you want it, the same as the pump does, is far superior than having it sucked by the cylinder through a single valve that is liable to leakage and waste every time the valve opens.



## POSITIVE SPEED REGULATOR

The Judson Speed Regulator is a simple and positive device for regulating the speed of the engine when it is running, and it is found only on our engine. It will change the speed of our engine about 30%, either reducing or increasing the speed, according to the will of the operator. This feature alone makes our engine of greater value to you than any other engine on the market.

## GASOLINE MIXER

The supply of air is controlled by a cut-off, and the gasoline by a needle point valve. There are no springs to it to get out of order. This is where the pump feed with overflow works to such good advantage, and that the supply of gasoline to the mixer is always kept at an even pressure, only the amount of fuel needed being consumed.



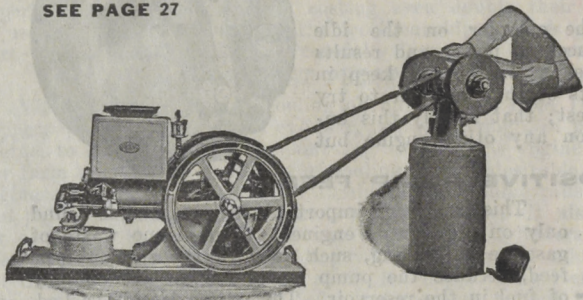


# THE JUDSON "HANDY BOY" OUTFITS WILL MAKE FARM LIFE A PLEASURE

THE ONLY ENGINE THAT WILL RUN SLOW SPEED MACHINES. IT HAS THE 2 SPEED PULLEY ATTACHMENT

## "HANDY BOY" TOOL GRINDING OUTFIT

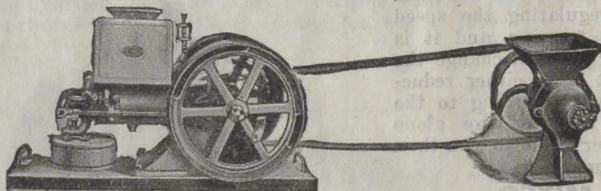
SEE PAGE 27



**Judson Duplex Farm Tool Grinder**—Something that every farmer needs. Saves its cost in a very short time. Sharpens plow shares, disc harrow blades, cultivator points, axes, sickles, ensilage cutter knives, and mower knives and tools of every kind. Has a special attachment for grinding discs. Spindle is 19-ins. long and 1-in. dia. Pulley 3½-in. dia. x 2-in. face. Will take wheels up to 12-ins. dia. Price complete with disc-grinding attachments, 1 coarse wheel 8-ins. x 1-inch; 1 fine wheel 8-ins. x 1-inch; 1 mower knife wheel 5½-ins. dia. x 3-ins. face. Weight 60 lbs. All grinding wheels are made of best grade of maxos emery. Complete for..... **\$12.50**

Outfit complete, with engine, 3 emery wheels, attachments and belts as shown **\$55.25**

## "HANDY BOY" CRUSHING OUTFIT



This illustration represents our "Handy Boy" running our "New Model" small grain mill. We had this mill made especially for small engines of 1 to 2 H.P. It will grind all kinds of small grains, or will grind dry bones or oyster shells for poultry use. It has force feed adjustable burrs, and we claim it will run easier and do nicer work than any mill of its type on the market. Capacity from 3 to 10 bushels per hour, shipping weight 50 lbs., price of grind mill only..... **\$9.00**

Extra burrs per set..... **50c**

"Handy Boy" Outfit complete with New Model Grain Mill and Belt, as illustrated..... **\$51.25**

All these you can do and more with this little Universal Engine that develops nearly 2 h.p. and we sell it for only

# \$45.00

with batteries

# \$57.50

with self-contained magneto

Complete, ready to run with the 2 speed pulley attachments

See the number of different machines we illustrate here that this little engine will run. It will also run the fanning mill, root pulper, feed cutter, grind stone, water pressure system as well, and on rainy days you can sharpen all the tools in the place, clean some grain, and grind some feed. Use it in a great many ways and it is ready to do the same thing over without a kick.

C. S. Judson Co. Ltd.,  
Winnipeg, Canada.

Gentlemen:

I have been using one of your "Handy Boy" engines for some time, and I find it as good as you said and that is going some.

Yours respectfully,

R. H. SMITH,

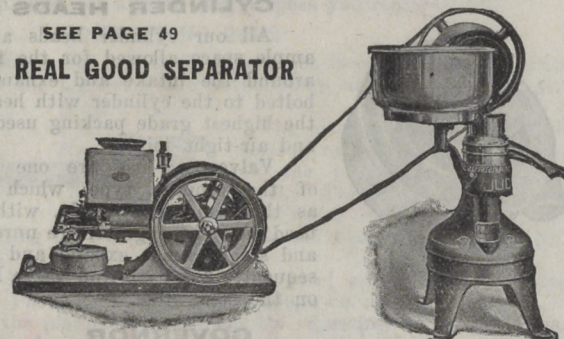
Oak Lake, Man.

## The Judson Way Factory to Farm Saves You Money

## "HANDY BOY" RUNNING CREAM SEPARATOR

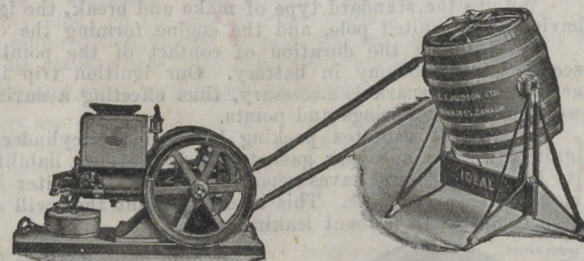
SEE PAGE 49

FOR A REAL GOOD SEPARATOR



You separate milk 730 times a year. Think how easy a "Handy Boy" 1½ H.P. will do it. The only small engine on the market that you can run a Cream Separator direct without the aid of a line shaft or reducing speed pulleys. See that small auxiliary pulley that belt is attached to, by putting the belt from this pulley to a 12 or 14-inch pulley on Separator, it gives the same speed as when turning Separator or other machinery by hand. The friction pulley illustrated on Cream Separator allows you to start Cream Separator slowly and steadily without any harm to separator gears. If you have a separator we will fit one of these pulleys for same if you give the name and number of your separator when ordering. [ Size of pulley, 14-in. x 2½-in., weight 30 lbs. Price..... **\$3.25**

## LET THE "HANDY BOY" DO YOUR CHURNING



Churning becomes a pleasure with the "Handy Boy" and our Patent Ideal Ball Bearing Power Churn. It runs at just the proper speed with the belt attached to the slow speed pulley on engine and to the friction pulley on churn.

New and improved Patent Power Churn, start it and stop it at will without touching the engine or belt. We equip all our churns with patent pulley in place of the common pulley as used by others. A simple turn of the wrist on the friction lock starts the churn or stops it.

Frames made of galvanized steel, barrel of best seasoned oak. Each churn is equipped with cream breaker. Our prices save your money.

No. 2. 15-gal. size..... **\$8.50**

No. 3. 20-gal. size..... **\$9.00**

No. 4. 25-gal. size..... **\$10.00**

We can supply you with one of these pulleys, if you give us size of crank, at.. **\$3.25**



**No More Worry about the Water Problem, Makes you Independent of Windmills, of Whistling for a Breeze, while Thirsty Cattle are Waiting to be Watered.**

**30 DAYS' FREE TRIAL**

**5 YEARS' GUARANTEE**

This little wonder worker is always ready to do all the back-breaking chores. It is so easy just to feed it with a little fuel, turn the wheel and watch it do the heavy part of the work, while you simply do the directing. It will save the cost of a hired man entirely.

#### **SPECIFICATIONS OF HANDY BOY**

**Self-Contained  
Detachable  
Cylinder**

**Equipped with  
Speed-Changing  
Device**

**Auxiliary Pulley  
for Running  
Slow-Speed  
Machines**



Would you do without this great help when it only costs you a few cents a day to run it, and you can buy it for less money than a good substantial engine was ever sold for.

#### **SPECIFICATIONS OF HANDY BOY**

**1½-H. P. develop  
nearly 2-H.P.**

**Speed 500 R.P.M.**

**Flywheel 15½ in.  
diameter, 2 in. face,  
Pulley 5 in.**

**Floor Space 21 x 30  
in., Bore 3½ in.  
Stroke 4½ in.**

**Shipping weight  
325 lbs.**

### **THE HANDY BOY WILL KEEP YOUR BOYS ON THE FARM**

Start up this Pumping Outfit and it will keep right on turning barrels of pure water for the stock while you leave it and go about your other work. You don't have to touch the pump handle. (Prices do not include pump.)

This illustration represents the Judson Handy Boy, 1½ H.P., and our No. 2 double geared all iron Pump Jack with belt already laced complete and ready to work. Shipping weight 450 lbs. Price ..... **\$53.50**

The Pump Jack supplied with this outfit is practically indestructible and will work in wells up to 250 feet. It has steel upright pitmans with quick change head and pivoted bearings, allows changing pump from power use to hand use by simply removing one bolt. Has adjustable foot rest. Note the double gears both sides of Jack carry the strain equally. No side twisting and breaking of gears or bars as is common in the single geared Jack. Weight of Jack 100 lbs. Price of Jack only ..... **\$9.75**

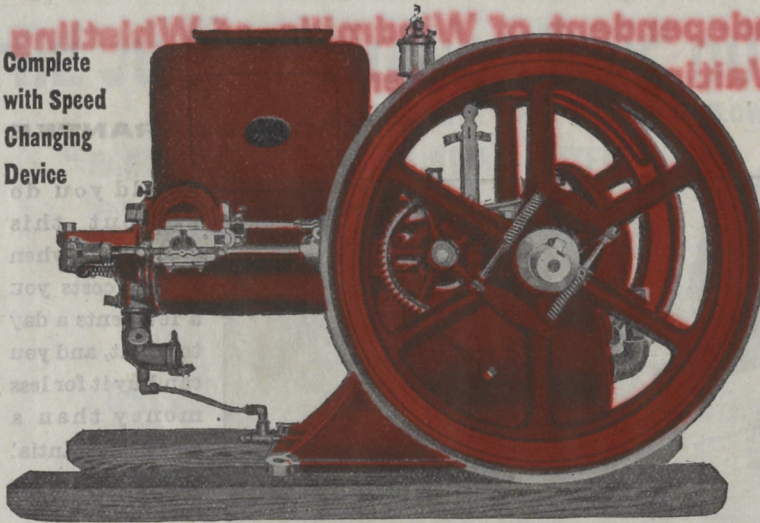
No. S 1 Pumping Outfit, including Handy Boy 1½ H.P., belt, and No. 0 Pump Jack with double geared, wood pitman. Weight 425 lbs. Price ..... **\$49.75**

Price of Engine only, complete ready to run. .... **\$45.00**

**This is the Engine they Imitate in Price but not in Quality and Improvements**



Complete  
with Speed  
Changing  
Device



**SPECIFICATIONS.**—Rated Horse Power  $2\frac{1}{2}$ , brake H.P.  $2\frac{3}{4}$ , bore 4 inches, stroke 5 inches, type 4 cycle water cooled, speed 550 R.P.M., pulley 6x4, fly wheels 20 in. diameter, crank shaft  $1\frac{3}{8}$  inches, weight 450 lbs.

**$2\frac{1}{2}$  H.P. GASOLINE ENGINE**  
**\$65.00** With Batteries  
30 DAYS FREE TRIAL  
5 YEARS GUARANTEE  
**\$77.50** With Self-Contained Magneto

### WHAT A $2\frac{1}{2}$ -HORSE POWER ENGINE WILL DO

Our  $2\frac{1}{2}$ -Horse Power Engine is just the size you want for running light machinery, such as is usually run by hand, feed cutters, small grinders, grindstone, washing machine, churn, sheep shearing machines, small lathes, drill presses, for running the pump, or electric light plants, or it can be connected to a line shaft and run several of these machines all at the same time at a great saving in cost of fuel.

We guarantee this  $2\frac{1}{2}$ -Horse Power Engine to be equal in every way to any engine on the market, regardless of name, make or price. We will ship you an engine, you can try it on your own work for as long as you want and if you are not satisfied that you have the best engine you can buy, regardless of price, we will take it back and return your money, together with any freight charges you paid.

For proof that the Judson is the best engine made see Judge's report Winnipeg fair 1914 on Page 3.

The engine is mounted on skids, as shown in the picture above, with gasoline tank in the base and it is complete with battery or self-contained magneto, so that when the engine reaches you it is all ready to run. A complete book of instructions goes with every engine, telling you just how to start the engine and how to take care of it.

**$2\frac{1}{2}$ -H.P. FEED GRINDING OUTFIT \$82.50**

Consists of  $2\frac{1}{2}$ -H.P. engine complete ready to run with batteries. 20 feet 3 in. rubber belt and one No. 5 Duplex feed mill with 2 sets burrs, capacity 5 to 12 bushels per hour depending on condition of grain. Weight 620 lbs. Price \$82.50. Price of outfit with magneto \$95.00.

## 1 h.p. Pumping Outfit

No need to bother with a windmill; here is a real pumping outfit, guaranteed in every way, and will pump wells to a depth of 75 feet, including No. 0 double geared Pump Jack, one H.P. Engine and Belt, ready to run. Shipping weight, 225 lbs.

**\$41.25**

COMPLETE



Will pump the water, do the washing or turn the grindstone—all for 15 cents a day—cheaper and more satisfactory than any servant.

**SPECIFICATIONS.**—Type 4 cycle. 1 Horse Power, develops nearly  $1\frac{1}{2}$  H.P., make and break ignition,  $3\frac{1}{2}$  in. bore, 4 in. stroke, 15 in. flywheel,  $1\frac{1}{4}$  in. crank shaft; floor space required  $2\frac{1}{2}$  ft. x  $1\frac{1}{2}$  ft.; weighs only 160 lbs., making it easy to move about.

Complete, with Batteries, Oil  
Cups, Wrenches, Starting Crank,  
Directions, and Ready to Run

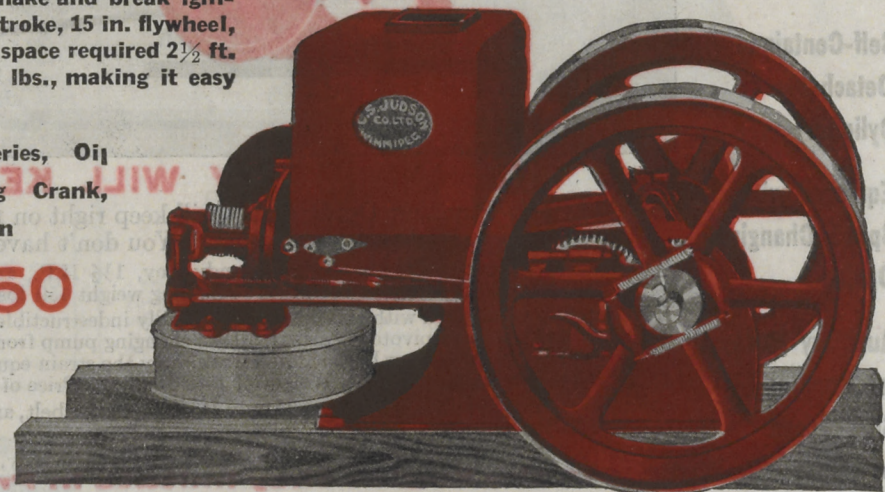
**\$35.50**

An engine that will develop as much H.P. as most  $1\frac{1}{2}$  H.P. engines that are now on the market.

**Hundreds in Use Every  
Day Giving Perfect  
Satisfaction**

**30 Days Trial**

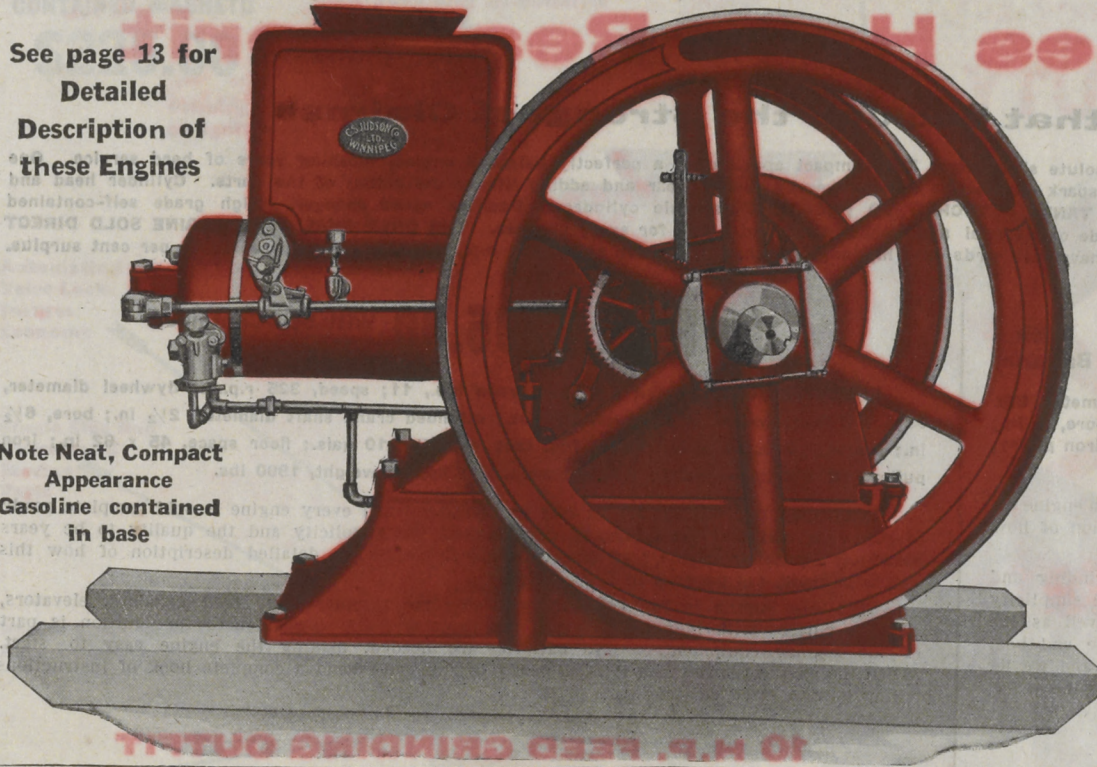
SATISFACTION GUARANTEED





See page 13 for  
Detailed  
Description of  
these Engines

Note Neat, Compact  
Appearance  
Gasoline contained  
in base



## 5 H.P. GASOLINE ENGINE

155.<sup>00</sup>

With Self-  
contained  
Magneto

30 Days free  
trial. 5 years  
guarantee

140.<sup>00</sup> With  
Bat-  
teries

### SPECIFICATIONS

Brake H.P. 6, Rated Horse Power 5, speed 350 R.P.M., diameter pulley 14 in., pulley face 6 in., fuel tank  $7\frac{1}{2}$  gallons, hopper tank 9 gallons, flywheel diameter 30 in., flywheel face  $2\frac{3}{8}$  in., flywheel weight, 180 lbs., bore 5 in., stroke 7 in., crank shaft diameter 2 in., floor space 36 x 47 inches, shipping weight 1100 lbs.

This is one of the most convenient sizes of an engine for a farmer who has both heavy and light work to do, it can be conveniently moved from place to place for the many odd jobs on a farm, it will take care of all machines usually run by hand, will run the Feed Cutter, Wood Saw and Grain Grinder to good advantage, but there is always an advantage in having plenty of power, and if you want to do much grain crushing or wood sawing we would advise you buying nothing less than our 7-H.P. or our 10-H.P.—as these engines consume fuel only in proportion to Horse Power required

### 5 H.P. FEED GRINDING OUTFIT

5 H.P. Engine, 20x6 inch iron pulley and equipment, a 6-inch improved ball bearing "Judson" grinder, with two sets of burrs and 25 feet of 4-inch rubber belt. Grinding capacity 15 to 35 bushels per hour.

Shipping weight, 1,300 lbs. Price of outfit with Self-Contained Magneto

\$186.25

Price of Outfit with Batteries \$171.25.

In a competition open to the world at Winnipeg 1914, "THE JUDSON" Gasoline Engine won highest award, see Report page 3.

## 3½ H.P. GASOLINE ENGINE

105.<sup>00</sup> With Self-  
contained  
Magneto

30 DAYS FREE TRIAL

5 YEARS GUARANTEE

92.<sup>50</sup> With  
Batter-  
ies

### SPECIFICATIONS

Rated Horse Power  $3\frac{1}{2}$ , speed 400 R.P.M., pulley diameter 8 in., pulley face 4 in., fuel tank  $4\frac{1}{2}$  gallons, hopper tank  $5\frac{1}{2}$  gallons, flywheel diameter 26 in., flywheel face 2 in., weight of flywheel 130 lbs., bore  $4\frac{1}{2}$  in., stroke 6 in., crank shaft diameter  $1\frac{1}{2}$  in., floor space 29 x 39 inches, shipping weight 700 lbs.

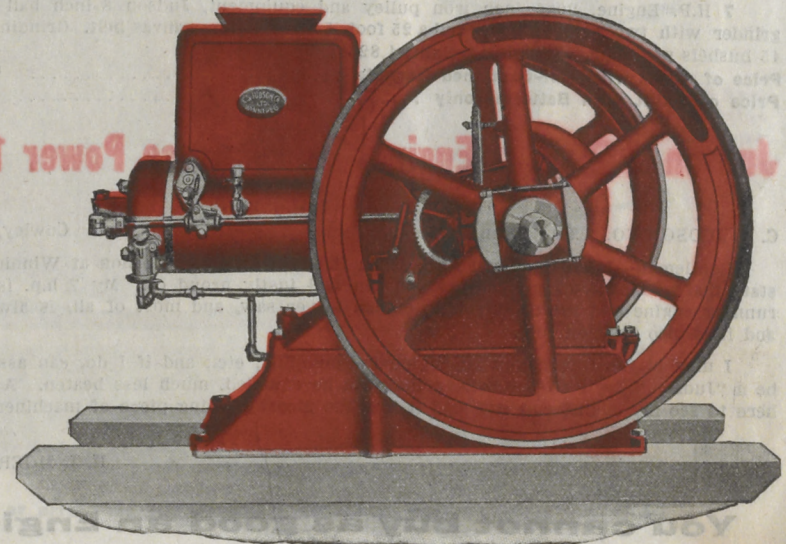
This engine is a splendid size for running portable grain elevators, small grain grinders, it will handle a wood saw, pump water, run the feed cutter, fanning mill, and do it economically. With our Duplex No. 5 Mill will make a nice grinding outfit for the farmer with only a few head of stock. Notice the splendid design of this engine, the high grade features, not found on any other engine sold direct to the farmer; such as gasoline in the sub-base, speed changing device, cylinder and base cast separately.

### 3½ H.P. FEED GRINDING OUTFIT

$3\frac{1}{2}$  H.P. Engine, 16x4 in. iron pulley and equipment, a No. 5 "Duplex" feed mill with two sets of burrs, and 20 feet of 3-inch rubber belt. Grinding capacity 10 to 18 bushels per hour. Shipping weight, 850 lbs. Price of Outfit with Self-Contained Magneto

\$121.25

With Batteries only \$110.00.





# Judson Engines Have Real Merit

Together with Quality that back up the Strongest Claims

Note the splendid features of this Engine, as illustrated on opposite page. Absolute simplicity. The compact appearance, a perfectly balanced engine, meaning years of hard service. One single side rod operates all mechanism, so governed that it cuts out on the fuel and spark on the idle stroke, thereby saving wear and adding life to the action of the parts. Cylinder head and valves water cooled. Automatic intake valve lock. Gasoline tank in base. **NO TIN TANKS ATTACHED TO FRONT.** Detachable cylinders. Positive speed changer. High grade self-contained magnetos when desired. (See page 4 for full description of magneto.) Highest grade of material and workmanship and a size for every purpose. **THE ONLY REAL GOOD ENGINE SOLD DIRECT TO THE FARMER WITH A GUARANTEED SURPLUS OF H.P. ABOVE RATING.** We have test cards on 7 h.p. engines where they have pulled  $8\frac{3}{4}$  h.p., that's why we guarantee 10 per cent surplus.

**7 H.P., \$225.00** With Self-Contained Magneto **\$205.00** With Batteries

**SPECIFICATIONS:** Rated h.p., 7; brake h.p., 8; speed, 340 r.p.m.; flywheel diameter, 35x  $3\frac{1}{4}$  face; weight of flywheel, 250 lbs. Extended crank shaft diameter,  $2\frac{1}{8}$  in.; bore, 6 in.; stroke, 9 in.; 4 piston rings; fuel tank capacity, 8 gals.; floor space, 38 x 57 in.; plain iron pulley, 18 x 6 in. Shipping weight, 1500 lbs.

This is our famous 7 h.p. that develops over 8 h.p. on the brake. There is not an engine on the market built along more advanced lines or of better material. For full description of how this engine is made, read pages 3 to 7.

Just the size you require for general farm work, where you have much grinding and sawing to do and cutting of feed, and it will do the light work economically. The simplicity of this engine, the absolute dependability and economy in fuel consumption, as well as the special price which we have made on this engine makes it our most popular size and best seller, and remember every engine we sell you must give you absolute satisfaction, and we let you be the judge. This engine is guaranteed equal to any engine selling for twice the price.

## 7 H.P. FEED GRINDING OUTFIT

7 H.P. Engine, 20x6 inch iron pulley and equipment, Judson 8-inch ball bearing No. 2 grinder with two sets of burrs and a 25 foot 5-inch endless canvas belt. Grinding capacity 25 to 45 bushels per hour. Shipping weight, 1,825 lbs.

Price of Outfit with Self-Contained Magneto ..... **262.50**  
Price of Outfit with Batteries only ..... **242.50**

**Judson 12 H.P. Engine, Brake Horse Power 14, Weight 2,700 lbs., Complete with Self-contained Magneto \$362.50**

C. S. JUDSON CO., LTD., Winnipeg, Man.

Cowley, Alta.

Gentlemen—I find that you have taken the lead at the Exhibition at Winnipeg. I wish to state that you have an engine that you can feel justly proud of. My 7 h.p. is the smoothest running engine and the most simple engine I ever saw, and most of all, is always on the job and it is also easy on fuel.

I may in the future buy an engine for pumping, etc., and if I do, can assure you it will be a "Judson," for I do not believe they can be equalled, much less beaten. A gentleman was here to see my engine run and said it was the nicest running piece of machinery he ever saw.

Yours truly,

H. J. MOERSCH.

**10 H.P., \$295.00** With Self-Contained Magneto

**SPECIFICATIONS:** Rated h.p., 10; brake h.p., 11; speed, 325 r.p.m.; flywheel diameter, 38 $\frac{1}{2}$  x 3 face; weight of flywheel, 350 lbs.; extended crank shaft diameter,  $2\frac{1}{2}$  in.; bore, 6 $\frac{1}{2}$  in.; stroke, 10 in.; 4 piston rings; fuel tank capacity, 10 gals.; floor space, 45 x 62 in.; iron pulley, 18 x 8 in., complete with magneto. Shipping weight, 1900 lbs.

Remember, our engines are exactly as illustrated and every engine is sold complete ready to run; you will find the design of our engines, the simplicity and the quality to be years ahead of any other engine sold direct to the farmer. For detailed description of how this engine is made, see pages 3 to 7.

This size engine is for very heavy work, like running large feed grinders, elevators, ensilage cutters with blowers attached, and threshers, and the magneto for ignition is part of the regular equipment. No batteries are needed, making the engine easy to start. When the engine reaches you it is all ready to run. We send a complete book of instructions telling how to start and take care of it.

## 10 H.P. FEED GRINDING OUTFIT

10 H.P. Engine, 22x8 inch iron pulley and equipment, Judson 10-inch ball bearing grinder, two sets of burrs, 30 foot 6-inch endless canvas belt. Grinding capacity 35 to 65 bushels per hour. Shipping weight 2,200 lbs.

Price of Outfit with Self-Contained Magneto ..... **332.50**

C. S. JUDSON CO., LTD., Winnipeg, Man.

Oak Lake, Man.

Gentlemen—The 10 h.p. engine with magneto is giving perfect satisfaction and has plenty of power and I have saved money by purchasing this engine from you.

Yours truly,

GLAD SLEMMONS.

C. S. JUDSON CO., LTD., Winnipeg, Man.

Fenwood, Sask.

Gentlemen—You may be interested to hear that I have been running a small separator 28-in cylinder hand feed and straw carrier with your 7 h.p. engine, and it handled this machine to splendid satisfaction. I put through three loads in 14, 15 and 17 minutes and it made a splendid job. I can assure you that I am thoroughly satisfied and convinced that I have received as good an engine as my money could buy.

Yours truly,

WM. PROCTER.

**You cannot buy as good an Engine for less money, nor a better one at any price**



**7 H. P.**

**WITH SELF-CONTAINED MAGNETO**

**\$225.00**

C. S. JUDSON CO. LIMITED, WINNIPEG, CANADA

**10 H. P.**

**WITH SELF-CONTAINED MAGNETO**

**\$295.00**

Self-contained Oscillating  
Magneto right on Igniter.  
Does away with all Batteries

Large Shapely  
Frost Proof  
Hopper

Positive  
Speed  
Changer

Gear  
Shield

Removable  
Die Cast  
Bearings

Accurate Fly-Ball  
Governors

Extra heavy  
well  
balanced  
Fly Wheel

Heavy extended Drop  
Forged  
Crank Shaft  
to put pulley  
on either side

Self-  
contained  
Gasoline in  
Base

Solid Base  
maintains  
the balance  
of Engine

Priming Cup  
on Igniter

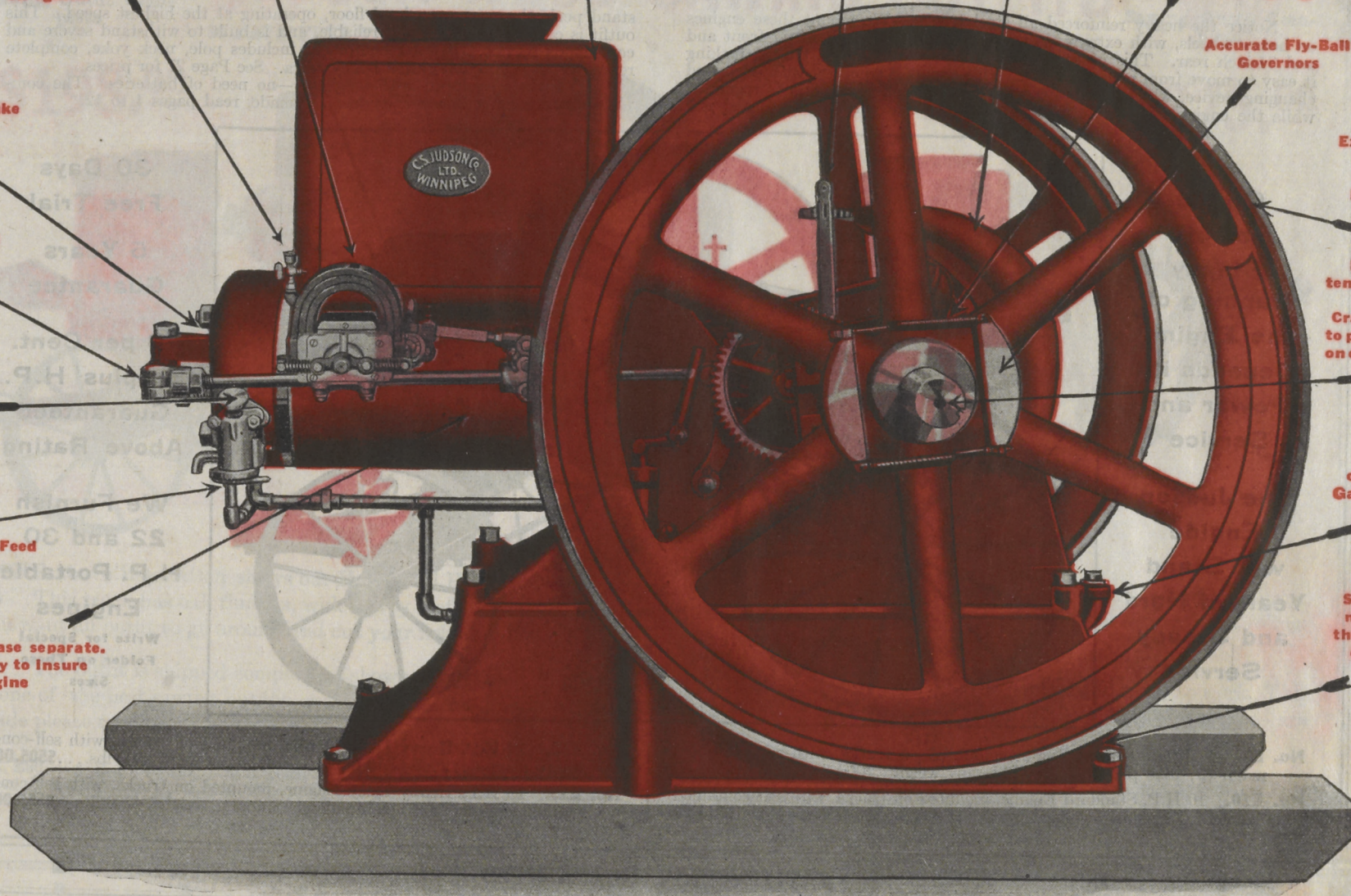
Automatic Intake  
Valve Lock.  
Insures  
Economy

Single Side Rod  
Operates all  
Moving  
Parts

Needle Valve  
Adjustment

Positive Pump Feed  
With Overflow.  
Saves Fuel

Cylinder and base separate.  
This is necessary to insure  
a Wellbuilt Engine



Proved by actual test to be the Best Gasoline Engine made, regardless of name, make or price—see Judges report, Winnipeg Fair, Page 3



WINNIPEG

C.S. JUDSON CO LTD

CANADA

# JUDSON HEAVY DUTY PORTABLE ENGINES

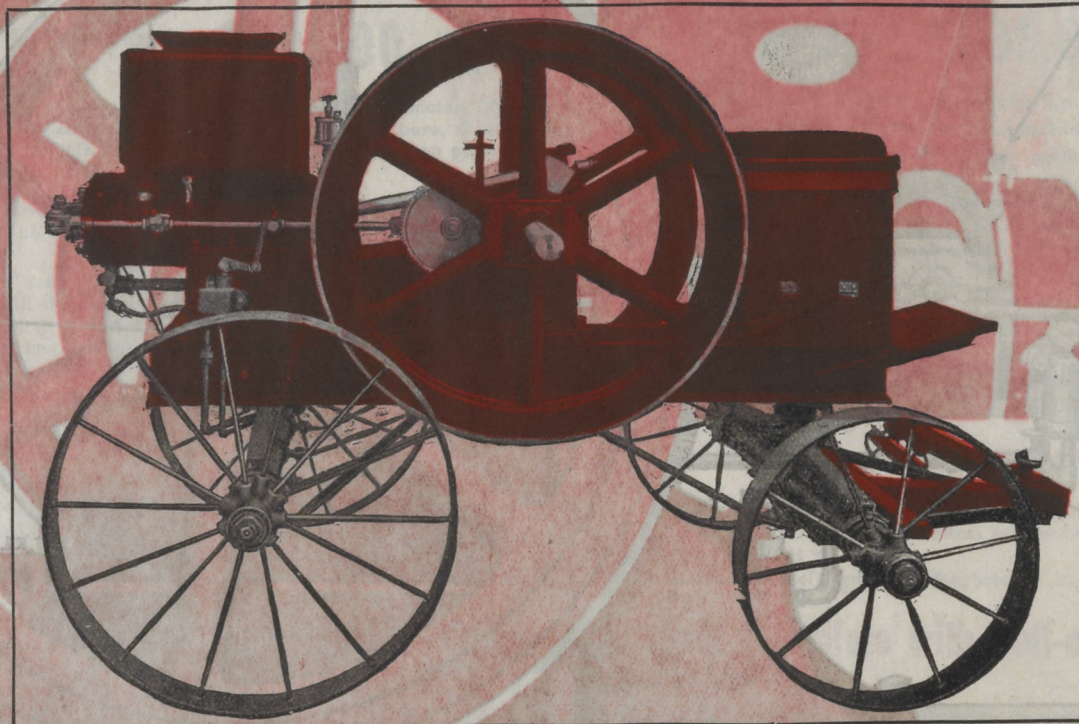
Notice the heavy reinforced all steel trucks. We mount these engines on heavy wheels, with extra wide tires. Wheel, 26-inch diameter front and 34-inch rear. This is our regular engine, mounted on trucks, making it easy to move from place to place. This engine is equipped with our speed changing device, which allows for wide variation of speed, and is regulated while the engine is in operation. This engine is evenly balanced, and will

stand perfectly quiet on a level floor, operating at the highest speed. This outfit is compact, durable and reliable, and is built to withstand severe and continuous service. Regular equipment includes pole, neck yoke, complete ready to run. Friction clutch pulley extra. See Page 27 for prices.

All engines equipped with magnetos—no need of batteries. The complete description of how our engines are made, read pages 4 to 12.

On the  
Smooth  
Steady  
Running of  
the Engine  
Depends its  
Power and  
Service

The Judson  
Engine  
will Stand  
Years of Hard  
and Steady  
Service



30 Days  
Free Trial

5 Years  
Guarantee

10 per Cent.  
Surplus H.P.  
Guaranteed  
Above Rating

We Furnish  
22 and 30  
H.P. Portable  
Engines

Write for Special  
Folder on These  
Sizes

**No. E7.** 7 H.P. Standard Engine, mounted on trucks, with self-contained magneto; 18x6 plain pulley. Shipping weight, 2000 lbs. Price. **\$265.00**

**No. E10.** 10 H.P. Standard Engine, mounted on trucks, with self contained magneto; 18x8 plain pulley. Shipping weight, 2500 lbs. Price. **\$345.00**

Page 14

**No. E12.** 12 H.P. Heavy Duty Engine, mounted on trucks, with self-contained magneto; 20x8 plain pulley. Shipping weight, 3500 lbs. . . **\$505.00**

**No. E15.** 15 H.P. Heavy Duty Engine, mounted on trucks, with self-contained magneto; 24x10 plain pulley. Shipping weight, 4200 lbs. . . **\$555.00**

SATISFACTION GUARANTEED.



WINNIPEG

C. S. JUDSON CO. LTD.

CANADA

5 H.P.

Sawing Outfit Complete

30 DAYS' FREE TRIAL

\$198.00

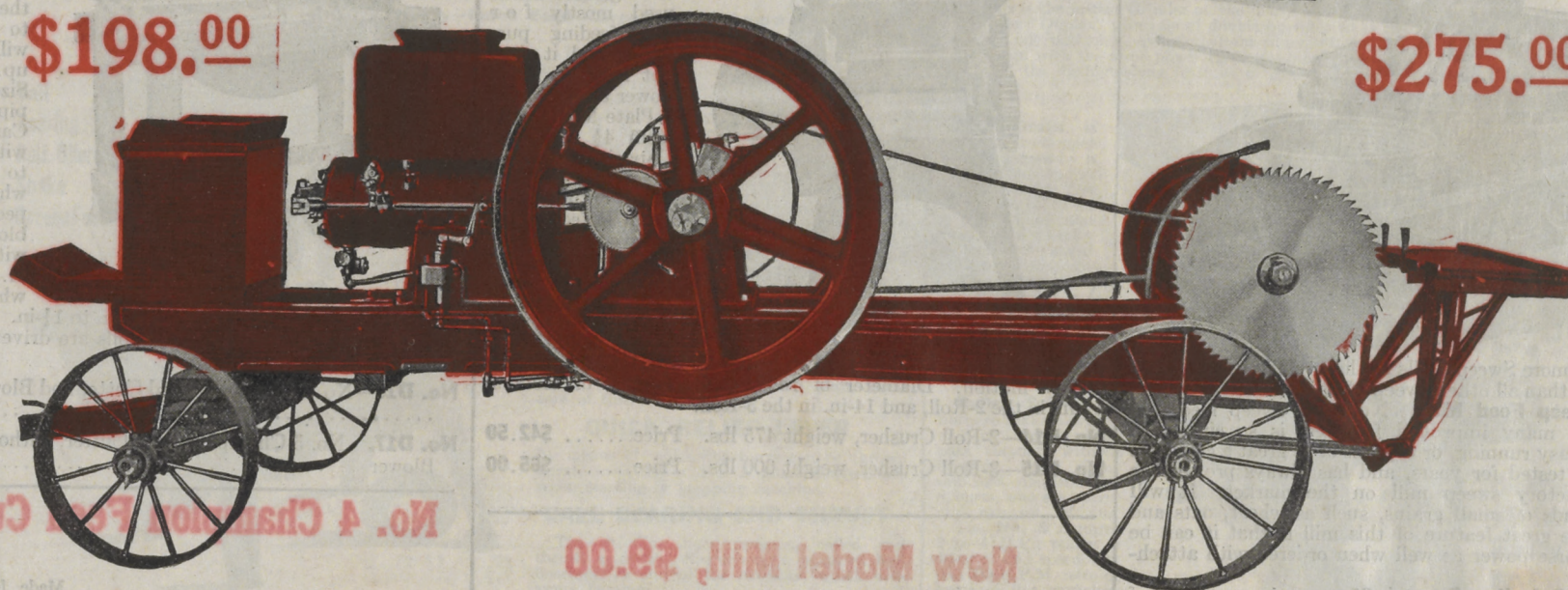
## JUDSON WOOD SAWING OUTFITS

7 H.P.

Sawing Outfit Complete

5 YEARS' GUARANTEE

\$275.00



New Model Mill, \$29.00

THE above illustration shows our Horizontal Hopper Cooled Engine, with our speed-changing device, mounted on a portable saw rig. This truck has oak timbers, wide heavy metal wheels, and is substantially constructed. The saw frame is all steel tilting table. When you want an outfit to go around and cut your neighbors' wood, this is just what you require.

The outfit is shipped complete as shown above, including pole saw, rubber belt, and is shipped set up complete and ready to work. This is one of the best sawing outfits ever sold, and we guarantee absolute satisfaction. For complete description of how our engines are made please read pages 3 to 7.

No. E90. — 5 H.P. Sawing Outfit complete; R. P. M. of engine 350; diameter of fly wheel, 30 in.; standard drive pulley, 18 x 6 in.; diameter of saw, 26 in.; saw speed, 1,200 R.P.M.; truck wheels, 24 in. front, 32 in. rear; tires 4 in. x  $\frac{3}{4}$  in.; shipping weight, 2,000 lbs. Price **\$198.50**

No. E91. — 7 H.P. Sawing Outfit complete; R. P. M. of engine, 325; diameter of fly wheel, 35 in.; standard drive pulley, 18 x 6 in.; diameter of saw, 28 in.; saw speed, 1,200 R. P. M.; truck wheels, 24 in. front, 32 in. rear; tires 4 in. x  $\frac{3}{4}$  in.; shipping weight complete, 2,500 lbs. Price **\$275.00**

Page 15

SATISFACTION GUARANTEED.



Page 16

Implement  
Dealers  
Charge \$65  
for this  
Mill.  
Our Price—

41.50



## Ideal Sweep Feed Mill

There are more Sweep Mills of this style in use in Western Canada, than all other Sweep Mills combined.

**Ideal Sweep Feed Mill.** No other sweep feed mill possesses so many improved features, is so simple to operate, so easy running, or capable of as great a capacity. It has been tested for years, and has always proved the most satisfactory sweep mill on the market. It will grind all kinds of small grains, such as wheat, oats and barley. The great feature of this mill is that it can be used as a horse power as well when ordered with attachments.

**Speed of Grinding Burrs** is 25 r.p.m. to one round of the horses, and speed of tumbling rod when fitted for power is 58 r.p.m. to one round of horses.

**Sweeps.** These mills are supplied with one sweep, but are so fitted that another sweep may be attached and 4 horses used, making a 4-h p.

Requires a circle 30 feet diameter.

**Feed Box** is strong, made of select timber, 4x6, with solid bottom and well painted.

**Feed Plate** controlling amount of grain to Burrs, making it possible to start up the team with the mill running light, or just open up feed far enough to make load for whatever team you are using.

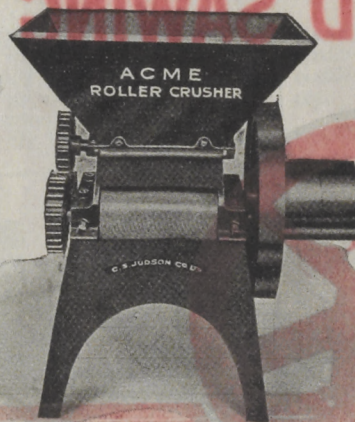
**Capacity.** About 15 to 25 bushels per hour, depending on condition of grain.

**Grinding Burrs.** Mill is shipped complete with one set of fine, one set of coarse burrs; extra burrs, per set, \$3.00.

**No. 15a. Ideal Sweep Feed Mill**, weight 700 lbs., price \$41.50.

**No. 15. Ideal Sweep Feed Mill** with power attachment and 15x4-in. pulley, weight 800 lbs., price \$45.00.

## Acme Roller Grain Crusher, \$42.50



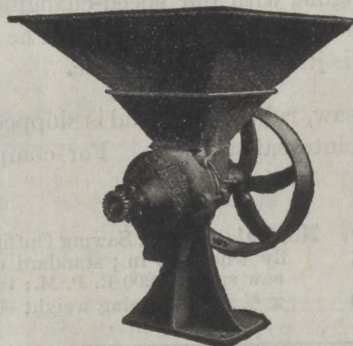
This is a splendid grinder for those who desire to merely crush or bruise the grain. It is used mostly for horse-feeding purposes, and it does not need as much power to operate as a Plate Mill. Use from 4½ H.P. up. Capacity depends upon speed and power entirely. The grain is fed to the grooved rollers which work against one another. Fineness of grinding is regulated by set screws mounted on

strong iron frame and fitted with heavy fly steady motion. Diameter of rolls, 6-in. Length of Rollers, 12-in. in the 2-Roll, and 14-in. in the 3-Roll.

**No. D14—2-Roll Crusher**, weight 475 lbs. Price..... \$42.50

**No. D15—3-Roll Crusher**, weight 600 lbs. Price..... \$65.00

## New Model Mill, \$9.00



Just the mill you want if you have a 1, 1½ or 2-H.P. engine. Will grind all small grains, or will grind dry bones or oyster shells for poultry use.

**Force Feed**, or worm to deliver the grain to the burrs automatically.

**Adjustment.** Mill is equipped with adjusting wheel to gauge the quality of the feed, and can be locked in position.

**Burrs** are of universal type, so as to grind the various articles we mention.

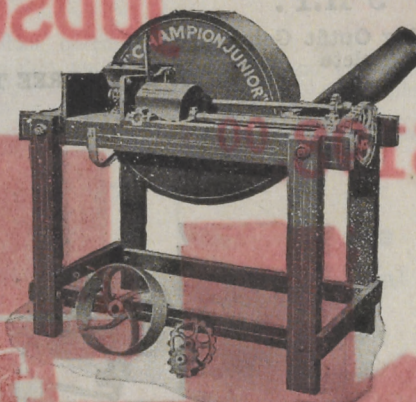
We claim this mill will do smoother and nicer work than any mill of its type on the market, and has a greater capacity. Capacity from 3 to 10 bushels per hour. Speed,

200 to 600 r.p.m. Shipping weight, 50 lbs. Size pulley, 4 ins. x 3 ins.

**H88. New Model Mill.** Price..... \$9.00

Extra Burrs. Price, per set..... .50

## No. 5 Champion Feed Cutter



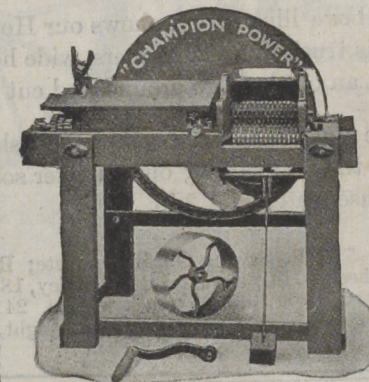
For the farmer with head of stock, this is the machine to use. It will elevate up to 20 ft. Size of Blow pipe 6 in. Can be run with from 4 to 6 H. P. when equipped with blower and with a 1½ H. P. up when used

without blower. Cuts 3 lengths, ½-in. to 1½-in. Has 9-in. throat, 2 concave knives. Feed rolls are driven with expansion gearing.

**No. D16—No. 5 Champion Feed Cutter and Blower**..... \$33.50

**No. D17. No. 5 Champion Feed Cutter**, without Blower..... \$29.75

## No. 4 Champion Feed Cutter



Made for fast and heavy work. It is a two-knife machine, cuts easily and is the right size for a stockman or large farmer who has to do much cutting. 13-in. mouth, will cut ¾, ½ and 1-inch. Feed box is extra long and wide with hinged side. Knives are convex of best English steel. Fly wheel and gears are all covered in when working. Stop, start and reverse lever makes it safe to work. Use from 3 H.P. up on this machine, and when equipped with blower use from 6 H.P. up.

**No. D14. No. 4 Champion Feed Cutter** only, weight 450 lb. .... \$46.25

**No. D15. No. 4 Champion Feed Cutter**, with blowers, size of Blow pipe 7 in., uses ordinary stove pipe, weight 500 lb..... \$65.00



We sell more Grain Grinders than any other firm in Western Canada, owing to the fact that we have the most improved type of Grinders, and one for every purpose. Sold under our trial guarantee of perfect satisfaction.

# The JUDSON Ball-Bearing GRINDER

For All Kinds of Small Grains  
Easy Running—Great Capacity—Force Feed—Largest Steel Hopper



Ball  
Bearing  
Self Oilers  
Shake  
Screen Feed

Lever for  
Throwing  
out of  
Gear  
when  
Starting

26.50

This is without doubt one of the fastest and best grinding mills made, and we guarantee it to be better built and do better work than any grinder of this class on the Canadian market, and the great number of satisfied users of this machine will bear us out in this statement. **Note the Improved Features.**

Frame is low down, heavy balance wheel, shaft is cold rolled steel, 1½ inches in diameter; boxings are heavy and long, and supplied with self oilers. Hopper holds about 5 bus.

## FEED REGULATOR TO SUIT YOUR ENGINE

Gives perfect control of flow of grain into grinding burrs at all times. **With this arrangement the engine can be loaded just right.** No need to run it overloaded upon tough grain and underloaded with dry grain. Opening or closing feed plate takes care of this.

## QUICK RELIEF LEVER

by means of which the burrs can be thrown apart, instantly and is a great convenience when starting or stopping machine.

## BALL BEARING END THRUST

The grinding burr pressure, called end thrust, is carried entirely upon a set of ball bearings, at end of the machine, which prevents heating.

## ADJUSTING WHEEL FOR FINE OR COARSE GRINDING

By turning the hand wheel at end of shaft to right or left, desired grade of feed, coarse or fine, is obtained. There is also release spring at the end of the burr case that allows the plates to come far enough apart to prevent breaking if a nail or other hard substance should happen to get between them.

**The All Metal Shake Screen Feed** allows all substances like nails, straws, stones or sand to run clear of plates and is a splendid feature.

		Size of Drive	Capacity	Weight	
		Pulley	Bus. per hour	lbs.	Price
No. 1.	6-in.	5-in. Dia., 6-in. face	15 to 35	250	<b>\$26.50</b>
No. 2.	8-in.	5-in. Dia., 7-in. face	25 to 45	300	<b>28.50</b>
No. 3.	10-in.	6-in. Dia., 8-in. face	40 to 65	350	<b>34.50</b>
No. 4.	12-in.	6-in. Dia., 8-in. face	50 to 85	400	<b>42.50</b>
<b>Extra Burrs, per set: 6-in., \$1.50; 8-in., \$1.75; 10-in., \$2.25</b>					
<b>12-in., \$2.50.</b>					
<b>Double Bagger to suit Grinder (Extra) ..... \$9.50</b>					

**IMPORTANT—Capacity of Grinders depends entirely upon the H.P. used.**

**3 to 6 Bushels per hour per H.P. is the only correct way to estimate.**

# "IMPROVED WONDER DUPLEX" FEED MILL

For Grinding all Kinds of Small Grains

This is the fastest Grinder on the market for small engines, from 2 to 6 H.P. It has the "Duplex" principle of double burrs—that is two sets grinding at once, and not one pair only, as in other machines. It has force feed and will grind more grain with the same power than any other small mill on the market. This is one of the distinguishing features of this mill that has made it famous.

**The Grain** is fed from the hopper into burr case by a shake feed spout, which delivers fast when the speed of burrs is high, and proportionately slower as the speed of burrs diminishes.

**The Grain**, after reaching the burr case, is forced into the burrs by an auger or screw, which insures a steady feed and the greatest capacity.

**Relief Spring** on burrs so that small nails or hard substances can pass through without injuring them. Each mill sold complete with 8 burrs, one set coarse and one set of fine.

**The No. 5** requires 2 to 4 H.P.; pulley is 4-in. x 4-in.; speed, 800 to 1000 R.P.M.; size of burrs, 4 in.; capacity, 10 to 25 bushels. **No. 6** requires 3 to 6 H.P. pulley, 6-in. x 6-in.; size of burrs, 5½ in.; capacity, 15 to 35 bushels per hour.

**No. 5 Mill.** Weight, 115 lbs. Price ..... **\$15.50**

**No. 6 Mill.** Weight, 175 lbs. Price ..... **\$22.50**

**No. 5 Mill.** Without legs. **\$13.50**

**Extra Burrs** for No. 5, per set of 4 ..... **\$1.50**

**Extra Burrs** for No. 6, per set of 4 ..... **\$2.00**



15.50

Complete  
with EIGHT  
Grinding  
Burrs



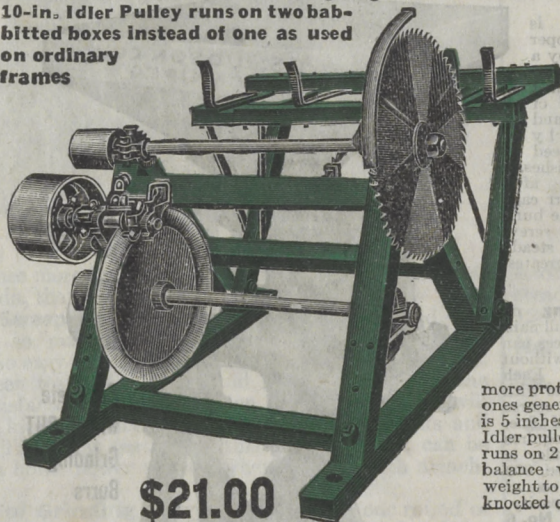
# HIGH GRADE POLE AND CORDWOOD SAW FRAMES

The extra high quality and value contained in these Saw Frames constitute a striking example of the benefit the consumer derives from factory to farm method. They are worth one-fourth more than the ordinary run of saw frames, and we challenge any manufacturer to produce a better frame. Shafts are heavy 1½-inch cold rolled steel. Steel and iron parts are heavy, well finished and well painted. Our cut-off saw blades are especially made for use on these saw frames. They are filed and set, ready for use, and are fully guaranteed to give satisfaction. Twenty or 22-inch saws require 2 to 3-horse power; 24 or 26-inch saws require 4-horse power and over; 28 or 30-inch saws require 6-horse power and over. Rip saws cannot be used on these frames.

## "Judson" Tilting Table Pole and Cordwood Saw Frame

**UNEXCELLED FOR SAFETY, HIGH SERVICE, DURABILITY**  
Selected Hardwood Frame, strongly mortised and bolted, for blades 20 to 30 inches in diameter. Self-aligning babbitted boxes eliminating friction.

10-in. Idler Pulley runs on two babbitted boxes instead of one as used on ordinary frames



**\$21.00**

The Judson Wood Saw is offered you under our Guarantee that its equal cannot be purchased at retail within 25 to 50 per cent of our prices. It is far superior to the ordinary wood frame saws in durability, rigidity and strength. Self-aligning babbitted boxes is another high grade feature of our saw frame. The long bearings work on pivots, aligning themselves with mandrel, so that there is no friction, even if saw frame is slightly strained, or set in an unlevel position. The aligning boxes are of exceptional value in any high speed work. Saw guard has large hood, affording

more protection than the small narrow ones generally furnished. Drive pulley is 5 inches in diameter, with 6-in. face. Idler pulley is 10-in. diameter, 6 in. face runs on 2 long babbitted bearings. The balance wheel is of proper diam. and weight to insure steady motion. Shipped knocked down. Very easy to erect.

No. D 10.	Pole Saw Frame, without Saw.	Weight, 425 lbs.	Price.....	\$21.00
No. D 10B.	Pole Saw Frame, with 22-inch Saw.		Price.....	25.50
No. D 10C.	Pole Saw Frame, with 24-inch Saw.		Price.....	26.00
No. D 10D.	Pole Saw Frame, with 26-inch Saw.		Price.....	27.00
No. D 10E.	Pole Saw Frame, with 28-inch Saw.		Price.....	27.75
No. D 10F.	Pole Saw Frame, with 30-inch Saw.		Price.....	28.50

## WITH FLAT BABBITTED BOXES TO CONSTRUCT YOUR OWN SAW FRAME TO SUIT

No. D 12. Price for Mandrel 4 ft. 4 in. x 1½ shaft, with 1½-inch saw arbor and flanges, complete with boxings, pulley 5 in. diam. x 6 in. face, and balance wheel. Shipping weight, 140 lbs.....\$11.00

No. D 12a. Price of Mandrel outfit complete, as above, without balance wheel.....\$7.50

Page 18



**\$11.00**

## SAW MANDREL SETS



**\$17.50**

## TILTING TABLE WOOD SAW FRAME FOR SAWING REGULAR 4-FOOT CORDWOOD

The shaft is 4 feet 5 inches long, with 1½-inch arbor and 5-inch arbor flanges. It has grooves in the boxes to prevent end play, which keeps them in perfect alignment. Driving pulley is 5 inches in diameter with 6-inch face. The cast iron saw guard is adjustable to fit saws from 20 inches to 30 inches in diameter.

No. D 9.	Cordwood saw frame only; without saw.	Wt. 300 lbs.	Price.....	\$17.50
	With 22-in. saw.	Wt. 330 lbs.	Price.....	\$21.50
	With 24-in. saw.	Wt. 340 lbs.	Price.....	\$22.50
	With 26-in. saw.	Wt. 355 lbs.	Price.....	\$23.50
	With 28-in. saw.	Wt. 365 lbs.	Price.....	\$24.50
	With 30 in. saw.	Wt. 380 lbs.	Price.....	\$25.50

## First Quality Circular Cut-off Saw Blades \$4.00

### LOWEST PRICES. FULLY GUARANTEED

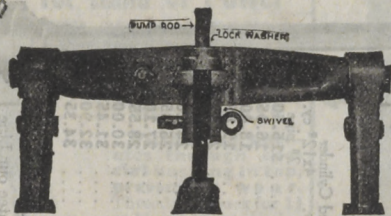
These Saws are made of best quality steel, are filed and set ready for use, and we will replace every Saw that proves defective; made by one of the oldest and best saw manufacturers in America. The prices we quote you are the very lowest and are on a wholesale basis. For use on cordwood and pole sawing machines and mandrels. All saws have 1½-inch arbor hole.

Diameter	Gauge	Weight Crated	Price
20-inch.....	13	12 lbs.	\$4.00
22-inch.....	12	15 lbs.	4.60
24-inch.....	11	19 lbs.	5.00
26-inch.....	11	23 lbs.	6.00
28-inch.....	10	27 lbs.	6.75
30-inch.....	10	32 lbs.	7.50

For Rip Saw Blades, add \$2.50 to above prices.







Cross Head showing Lock Washer in position. If Pump-Pin works out Side-Arms do not fall down and cause breakage. To disconnect Jack from pump for hand use simply remove pin.

## Some Real Good Pump Jacks

**Note these Features.** Strong, compact and nicely finished. The foot rests bolt securely to platform and serve as a brace to help support the Jack and brace the pump stand. The crank shaft has direct downward pressure and holds the pump down when the connecting rods are lifting the water. The connecting arms are vertical on the up stroke, therefore no side strain or wear on the pump.

Pitmans are adjustable to any height of pump standard, the change being made by removing the bolts in pitman connection and adjusting the rods up and down as the case may be. This pitman connection is a feature not embodied in any other makes of pump jacks.

**Special Feature.** Examine carefully illustration in corner, showing swivel pump connection which admits of setting the Jack at almost any angle to pump standard. All other jacks can be placed in one position only. This pump connection is designed to make quick change from jack to windmill power or hand pumping without removing any bolts. This can be done as quickly as ordinarily changing from hand pumping to windmill. Note the solid metal cross head with cast pitman bearings and contrast this with the cheap ordinary Jack where the cross head is merely bolted, then you will understand how superior and well designed our Pump Jacks are.

In connecting the cross head to pump rod, all that is necessary is to turn the lock washer so that the flat pump rod will enter slot; then give the washer a half turn. The ends of pump connection rest in cast boxes securely fastened to top ends of pitman rods. This makes a substantial pump connection. Kindly note the weight of our Jacks.

### No. 0 Pump Jack

**\$6.<sup>50</sup>**

For 75 ft.  
Wells or  
Less

Retail price of this Jack, \$10.00—  
Our price, only.....**\$6.50**

This represents our No. 0 **Double-Geared** Pump Jack, with tight and loose pulleys, and adjustable wood side rods. The drive gears on both sides of the jack do away with all side strain and twisting, which makes the jack last longer and is far easier on the pump.

This jack is not equipped with quick change head and adjustable foot rest, same as our No. 2 and 3. Size of pulleys, 13x2. Back geared, 4 to 1. Strokes, 5, 7 and 10 in. Weight, 100 pounds.

Price.....**\$6.50**

However, if you want a **pump jack that is practically indestructible, buy our No. 2**, with steel side rods and swivel head, and adjustable foot rest, as illustrated on this page. We do not sell light weight, single-gear pump jacks, as they are not reliable.

### No. 2 Pump Jack

**\$9.<sup>75</sup>**

For 200 ft.  
Wells or  
Less

**Built entirely of Steel and Cast Iron.** practically indestructible. This Jack is the one you want for all kinds of hard and steady service. The Pitmans are made of steel (not wood) as in other jacks, and for this reason this Jack is the most economical to buy.

It is double geared, thereby increasing the life of the gears. The load is equally divided on both sides of the pump standard. Main frame is babitted with a high grade of babbit in a split box type which can be adjusted

for wear. It is equipped with adjustable foot rest, by means of which the Jack can be moved up or down on the pump stand for closer adjustment than is possible by changing the pitman only. Shafts are extra heavy. Back geared, 5½ to 1. Strokes, 5, 7 and 10 in. Pulleys, 13x2 in. Weight, 155 lbs.

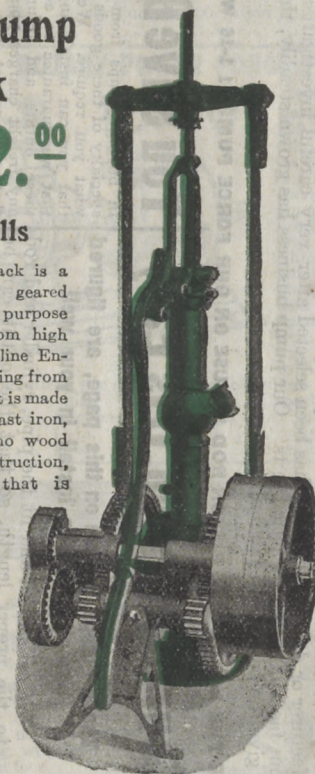
### No. 3 Pump

Jack

**\$12.<sup>00</sup>**

For Deep Wells

The No. 3 Pump Jack is a compound or triple geared machine, built for the purpose of belting direct from high speed Motors or Gasoline Engines, and is for pumping from extremely dry wells. It is made entirely of steel and cast iron, same as our No. 2, no wood being used in its construction, and it is a Jack that is practically indestructible, has adjustable pitmans, swivel head, quick change locking mechanism, babitted bearings, adjustable foot rest, the strongest compound geared Jack on the market; Back Gear 11 to 1. Strokes 5, 7 and 10 in. Pulley 13x2 in. Weight 210 lbs.



SATISFACTION GUARANTEED.



# EVERY FARMER HIS OWN PUMP MAN

THESE PUMPS ARE SUITABLE FOR BOTH HAND AND POWER USE

We carry the most complete line of pumps, all styles and sizes, at prices (quality considered) lower than ever shown by any manufacturer or dealer. This line has been selected after very careful investigation and study, and our claims are not merely talk, but facts as shown by actual tests. Our pump business has grown steadily, the result of our selling only pumps that we know will give the best of satisfaction.

NOTE THE LARGE SIZE PISTON ROD WE USE ON OUR FORCE PUMPS 1 1-16 WITH BRASS STUFFING BOXES

## Install Your Own Pump, It's Easy

These Pumps, shown on this page, are figured out all ready to install in your well

We cut thread and fit the pipe, cylinder and rod to the proper length, so that the outfit can be screwed together and lowered into your well without any trouble. Simply order pump according to depth of well. It will go to you complete with all necessary parts, including: pump, cylinder, pipe and rods, and all you have to do is simply screw the parts together with a Stillson or pipe wrench (which we supply at \$1.25). We furnish free the lag screws for screwing the base of pumps to platform.

### Hand or Power ANTI-FREEZING HEAVY STOCK LIFT PUMP

Complete ready to put in **\$650**

This represents our "Jumbo" anti-freezing lift pump, for windmill, hand or power use. It is a regular closed top pump, adapted to open or drive wells, has six inch stroke for hand and ten inch for power. It is a very substantial pump and will work in wells to 100 feet in depth. Cap and lever are revolving, allowing the handle to be placed in any desired position.

**WELL PLEASED**  
C. S. Judson & Co., Ltd.,  
Winnipeg, Man.  
The "Jumbo" Pump was received all O.K. and I am very much pleased with same.  
Yours truly,  
L. B. FERGUSON.

#### JUMBO

Depth of well	Price complete with Iron Cylinder	
	3 1/2 x 12" pipe	4 x 12" pipe
7 feet	\$6.50	\$8.40
10 "	7.25	9.35
12 "	8.15	10.00
14 "	8.65	10.65
16 "	9.15	11.30
18 "	9.65	11.95
20 "	10.15	12.60
22 "	10.65	13.25
24 "	11.15	13.90
26 "	11.65	14.55
28 "	12.15	15.20
30 "	12.65	15.85
32 "	13.15	16.45
34 "	13.65	17.05
36 "	14.15	17.65
38 "	14.65	18.25
40 "	15.15	18.85
42 "	15.65	19.45
44 "	16.15	20.05
46 "	16.65	20.65
48 "	17.15	21.25
50 "	17.65	21.85
52 "	18.15	22.45
54 "	18.65	23.05
56 "	19.15	23.65
58 "	19.65	24.25
60 "	20.15	24.85
62 "	20.65	25.45
64 "	21.15	26.05
66 "	21.65	26.65
68 "	22.15	27.25
70 "	22.65	27.85
72 "	23.15	28.45
74 "	23.65	29.05
76 "	24.15	29.65
78 "	24.65	30.25
80 "	25.15	30.85
82 "	25.65	31.45
84 "	26.15	32.05
86 "	26.65	32.65
88 "	27.15	33.25
90 "	27.65	33.85
92 "	28.15	34.45
94 "	28.65	35.05
96 "	29.15	35.65
98 "	29.65	36.25
100 "	30.15	36.85

NOTE: With this Pump, in wells to 100 feet, we put cylinder at bottom and rods, we put cylinder at bottom and rods, supply all galvanized pipe and rods.

If brass-lined Cylinder is wanted, add \$1.50 for 3 in., \$2.00 for 3 1/2 in. and \$2.25 for 4 in.

## You Save Big Money

In buying pumps from us. We make a specialty of these goods and know exactly what you require. We are so confident that you can install any of these pumps, that we guarantee to accept back any of these outfits and refund the price and any freight charges you paid, if you find that you cannot put it in so that it will work easily.

**PRICES QUOTED ARE WITH ALL GALVANIZED PIPE and rods to suit (no black pipe used at all), including 12-inch two leather brass-lined cylinders and hose attachment, and all you need to do in ordering, is to order exact depth of water well, and tell us how many feet of water in well. Cylinder will always be placed at bottom of well to suit. Prices include all necessary fittings and instructions telling you how to install.**

### PREMIER ANTI-FREEZING FORCE PUMP, for Hand or Power

With Brass Stuffing Box and 1 1-16 Piston Rod  
Complete, ready to put in  
For Shut-off Cock add 75c **\$1250**

"Premier" Stock Force Pump with ratchet head, long weighted handle, suitable for deep or shallow wells, and for windmill, engine, and hand use, specially designed to meet the demand for a high grade force pump. Back outlet tapped for 1 1/2-inch pipe, enables changing of water from spout to an elevated tank or to other parts where desired. An excellent pump for fire purposes as well as supplying water to storage or other tanks. When used as a hand pump will work 50 per cent easier than the ordinary hand pump. And as it is our largest seller we advise you using this pump whenever possible. It has quick change lock bolt that allows disconnecting and changing from power to hand in a moment.

#### SAVED MONEY

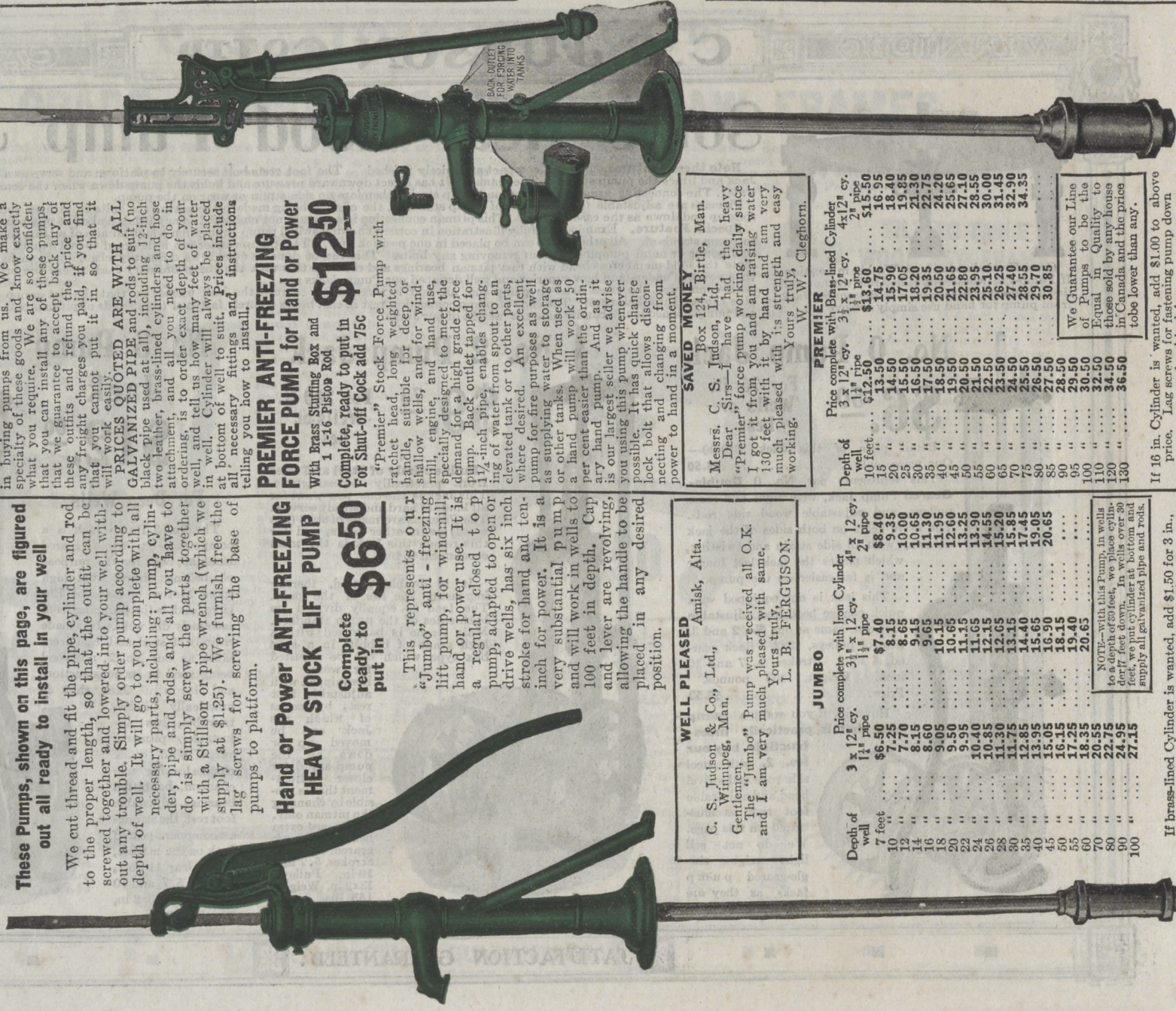
Messrs. C. S. Judson, Ltd., Box 124, Birtle, Man.  
Dear Sirs—I have had the heavy "Premier" force pump working daily since I got it from you and am raising water 130 feet with it by hand and am very much pleased with its strength and easy working.  
Yours truly,  
W. W. Cleghorn.

#### PREMIER

Depth of well	Price complete with Brass-lined Cylinder	
	3 1/2 x 12" pipe	4 x 12" pipe
10 feet	\$12.50	\$13.60
15 "	13.50	14.75
20 "	14.50	15.90
25 "	15.50	17.05
30 "	16.50	18.20
35 "	17.50	19.35
40 "	18.50	20.50
45 "	19.50	21.65
50 "	20.50	22.80
55 "	21.50	23.95
60 "	22.50	25.10
65 "	23.50	26.25
70 "	24.50	27.40
75 "	25.50	28.55
80 "	26.50	29.70
85 "	27.50	30.85
90 "	28.50	31.95
95 "	29.50	33.05
100 "	30.50	34.15
110 "	32.50	36.50
120 "	34.50	
130 "	36.50	

We Guarantee our Line of Pumps to be the Equal in Quality to those sold by any house in Canada and the price to be lower than any.

If 16 in. Cylinder is wanted, add \$1.00 to above price. Lag screws for fastening pump down furnished free.





## Extra Heavy Ratchet Force Pump Standard for Hand or Power

WITH BRASS STUFFING BOX WITH 1-1/16 PISTON ROD FOR TUBULAR OR DEEP WELLS

Piston rod operates through special bushing in top, preventing wear. Threaded in back for 1 1/2 or 1 3/4 inch pipe to lead to elevated tank, or reservoir. Turning shut off on spout forces water to tank. This pump is made for those who want a pump for the hardest service or use in deep wells with our tubular well cylinder. Note that pump is bolted at spout, and stand does not have to be removed if using a tubular cylinder, tapped for 2, 2 1/2, or 3 inch pipe, equipped with our patent ratchet, which increases the lifting power 50 %. All gears are protected — absolutely the finest pump-head made. Prices quoted are for standard only. Shipping weight, about 95 lbs.

No. P21 10-in. stroke, Price ..... \$9.75

WE ARE ALWAYS PLEASED TO FURNISH ESTIMATES ON ANY KIND OF PUMP OUTFITS, ESPECIALLY FOR DEEP WELLS, AS WE CAN SAVE YOU MONEY

## Well Cylinders fitted with Double Leather Plungers

Made heavy and strong, bored smooth and fitted with best valves and leathers.

Cylinder, ins.

For wells 20 to 40 ft. deep..... 3 1/2 to 4  
For wells 50 to 80 ft. deep..... 3 to 3 1/2  
For wells deeper than 80 ft..... 2 1/2 to 3

The 3-inch cylinders are fitted for 1 1/2-in. pipe, 3 1/2-inch are for 1 1/2-inch, 4-inch for 2-inch pipe.

### P 53. Iron Cylinders—

3 ins.x12 ins. \$2.25 3 1/2 ins.x12 ins. \$2.50  
4 ins.x12 ins. \$3.25

### P 54. Brass Lined Cylinders—

3 ins.x12 ins. \$4.00 3 1/2 ins.x16 ins. \$5.00  
3 ins.x12 ins. \$4.25 3 1/2 ins.x16 ins. \$5.50  
4 ins.x12 ins. \$4.50 4 ins.x16 ins. \$6.00

For Flush Cap Cylinders add \$1.00



ONLY \$4.25  
FOR 7 FOOT PUMP  
COMPLETE

## Anti-Freezing Lift Pump

"Perfection" Anti-Freezing Lift Pump, with 7-foot set length. A lift pump with 6-in. stroke and adapted for wells not over 30 feet deep, fitted with revolving top allowing handle to be swung in any direction. Well built and guaranteed to give perfect satisfaction. This pump works easily.

Cylinder is made of iron bored true and polished. For wells up to and including 30 feet in depth.

Following prices are complete ready to install, with cylinder:—

Depth of well	3x10 in. cy. 1 1/2 in. pipe	3 1/2x10 in. cy. 1 1/2 in. pipe
7 foot	\$4.25	\$5.00
10 "	4.75	5.50
12 "	5.10	5.80
14 "	5.40	6.15
16 "	5.75	6.50
18 "	6.00	6.75
20 "	6.50	7.00
22 "	6.75	7.50
24 "	7.15	7.85
26 "	7.50	8.25
28 "	8.00	8.75
30 "	8.25	9.00

## Tubular Well Cylinders

Dropped down into pipe of sizes listed below. Easily set in pipe at any desired depth or removed for

repairing. Only tool required is seating tool listed below and enough 1-inch pipe to lower tool to point where cylinder is to be placed. Body made of seamless drawn brass tubing with brass valves. Stroke, 12 inches. Not made smaller than 2 inches.

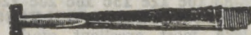
No. P 58. Size, 2 inches. Shpg. wt., about 7 lbs. Price... \$4.50

No. P 59. Size 2 1/2 inches. Shpg. wt., about 9 lbs. Price... \$6.50

No. P 60. Size 3 inches. Shpg. wt., about 12 lbs. Price... \$8.00



## Seating Tools

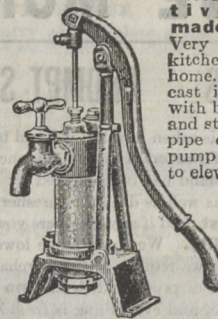


For placing above cylinder in position in pipe, also for drawing cylinder up out of well. Shipping weight, about 2 pounds.

No. P 61. For 1-in. cylinder..... 40c  
No. P 62. For 2-in. cylinder..... 60c  
No. P 63. For 3-in. cylinder..... 85c

## Simplex Cistern Force Pumps

Neat, simple, attractive. Substantially made. Needs little room. Very convenient at the kitchen sink in the country home. Made of best quality cast iron, nicely painted, with brass body, valve seat and stuffing nut. One-inch pipe connection at top of pump allows forcing water to elevated storage tank or reservoir. Furnished with goose-neck spout, fitted with hose coupling or compression cock as illustrated. Pumps tapped for 1 1/2-inch suction. Shipping weight, about 24 lbs.



No. P 40. With 3-inch cylinder. Price \$4.00

SEE PAGE 24 FOR TANK PUMPS

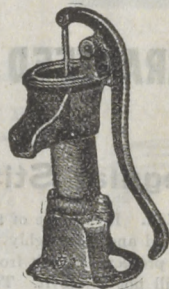
## Pitcher Spout Pump

Heavy and well finished, polished smooth inside and patent closed top, which prevents the water from flying up. To prevent its extreme freezing, trip valves by raising handle to its extreme height. Fitted for either lead or iron pipe. Suitable for shallow wells or cisterns. Weight, about 31 lbs.

P 23. No. 2, 3-inch bore for 1 1/2-in. pipe. Price \$1.25

P 24. No. 3, 3 1/2-in. bore, for 1 1/2-in. pipe. Price \$1.50

P 25. No. 4, 4 1/2-in. bore, for 1 1/2-in. pipe. Price \$1.75



## Brass Jackets Drive Well Points



P 55. Made of wrought iron pipe, perforated and galvanized and covered with fine brass jacket to prevent sand from getting in cylinders. Length, 30 ins. 1 1/2 ins., price \$1.50. 1 1/2 ins., price \$2.00. 2 ins., price \$2.50.



## FOOT VALVES

A Combination Foot Valve and Strainer. Screwed on end of suction pipe in bottom of well. Acts as a check valve. Every pump should be equipped with a foot valve and strainer. No. P 56. 1 1/2-in., 35c. 1 1/2-in. 50c. 2-in., 60c.

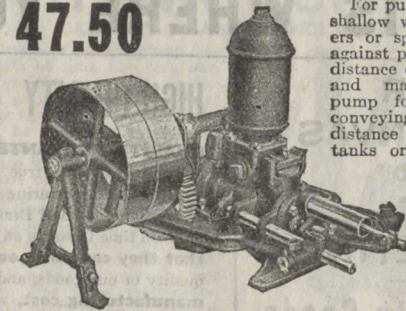


## Pump Spout Attachment

No. P 57. For attaching to the spout of any ordinary lift pump for conveying water to a trough outlet tapped for 1 1/2-inch pipe. Can be moved in any direction. Price 40c.

## DOUBLE ACTING POWER FORCE PUMP

47.50



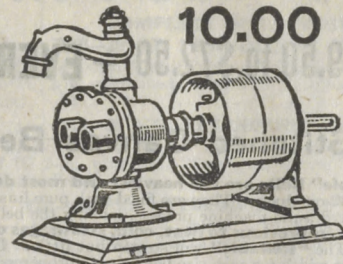
For pumping water from shallow wells, coulees, rivers or springs; will pump against pressure of 200 lbs. distance of 1500 feet force, and makes a splendid pump for irrigating and conveying water a long distance or to elevated tanks or reservoirs. Has brass lined cylinders, brass valves, brass cased piston rod and dabbled journals. An absolutely high grade pump at moderate price. Back geared

5 to 1. Cylinder is 5 in. Diameter, 4 in stroke, 2 in suction, 2 in discharge, tight and loose pulley 16-in.x3-in.; capacity at 50 R.P.M., 1000 gallons per hour. Shipping weight, 375 lbs.

No. P 50. Power force pump. Price..... \$47.50  
No. P 51. Power Pump, 1000 gallon capacity. Weight 375 lbs. Price..... \$33.50

## ROTARY POWER FORCE PUMP

10.00



Will force water a horizontal distance of 200 feet and throw a solid stream 20 feet. An excellent pump for raising a large amount of water with minimum amount of power where lift is not over 15 feet and elevated tank into which water is forced not over 50 feet above pump. Fine protection in case of fire. Spout threaded for iron pipe at end and also at top where it connects to pump. Can be run

at 200 revolutions per minute. Size of pulleys 8-in.x3-in.

No.	Size Suction	Size Discharge	Capacity per minute	Price
No. 1	1 1/2-in.	1-in.	20 gallons	\$10.00
No. 2	1 1/2-in.	1 1/2-in.	23 gallons	13.50



Standard Wrought Iron Pipe

In lengths from 18 to 20 feet.  
Black Pipe, per foot: 1-in., 7c. 1 1/2-in. 10c. 1 1/2-in. 12c. 2-in., 15c.

## Round Steel Pump Rod No. P 64

For connecting pump cylinders to pump heads. Comes in lengths of 18 feet. Size, 7-16 n. Not threaded. Shpg. wt., about 8 oz. Price, per foot..... 4c  
Threads extra per cut, 5c

## Rod Couplings

Malleable iron threaded. For steel pump rods. Shipping wt., about 2 oz. No. P 65. Size, 7-16 in., 11 threads to in. Price 5c



Plunger Leathers Crimped

Dia. cyl. 3 3/4 4  
Price. 10c 12c 15c

## Lower Valve Leathers

Dia. cyl. 3 3/4 3 1/2 3 1/4  
Price... 6c 8 10 10 10  
Always state size wanted





# HERE IS WHERE YOU SAVE MONEY ON THRESHERS' SUPPLIES

## RUBBER CANVAS AND LEATHER BELTINGS

First Quality Goods

## HIGH QUALITY LOW PRICES PROMPT SHIPMENTS SATISFACTION GUARANTEED

**QUALITY GUARANTEED:** The utmost care is taken in select. ng and testing the quality of supplies we handle. Standard goods, accurate as to **measurement**, true in **weight** and of **good material** is our guidance in buying. Owing to the addition of numerous improvements in steam machinery during the last few years a demand has been created for the best that is to be obtained in the way of Belting, Suction Hose, Drive Belts, Oil and Brass Goods. We realize, as well as does the thresherman, that "cheap" supplies prove expensive in the end, and that you have no time to waste on them. **We sell the best**, and if anyone offers you similar goods at lower prices than we herein name **please remember that they can do so only by sacrificing quality.** We could name lower prices, but should we do so, we would be obliged to cheapen the quality of our goods, and the perfect satisfaction we require of the merchandise we sell could not be had. **Our prices are based on the actual manufacturing cost**, with the smallest margin of profit added, and **no one can quote lower than we do.** We offer the best and most desirable supplies that can be obtained anywhere, and everything is fresh and new.

## LUBRICATORS ENGINE TRIMMINGS PACKINGS AND OILS

Money Saving Prices



### Endless Stitched Canvas Belts

**No. 6X41—Our "Reliable" Belts are the heaviest and most durable offered.** They are made of full weight 32-oz. duck. They are filled with pure linseed oil, pressed with the new and improved hydraulic machine process, making the belt exceptionally pliable and durable. They are **impervious to heat, cold, steam, gas or acid fumes.** All belts will stretch some. The "Reliable" will stretch but little. It is made on a special weave of duck of proper width for each size belt, giving proper salvage and even strain on both edges. You will find our "Reliable" Drive Belts the best and most durable and pliable you ever used.

30 ft., 6 in. x 4-ply	\$ 9.50	120 ft., 8 in. x 5-ply	\$43.50
80 ft., 6 in. x 4-ply	18.25	150 ft., 7 in. x 4-ply	39.25
100 ft., 7 in. x 4-ply	27.00	150 ft., 7 in. x 5-ply	46.50
100 ft., 7 in. x 5-ply	33.50	150 ft., 8 in. x 4-ply	44.25
100 ft., 8 in. x 4-ply	32.80	150 ft., 8 in. x 5-ply	52.50
100 ft., 8 ft. x 5-ply	38.00	150 ft., 8 in. x 6-ply	62.50
120 ft., 7 in. x 4-ply	31.20	160 ft., 8 in. x 5-ply	56.00
120 ft., 7 in. x 5-ply	38.50	160 ft., 9 in. x 5-ply	72.50
120 ft., 8 in. x 4-ply	37.60		



### Regular Stitched Canvas Belting

**No. 6X42.** It is made of the specified ply of heavy canvas of a special weave, firmly stitched and thoroughly treated with a special compound of linseed oil. This preparation protects the belt from wet or dampness, and makes it so that heat, cold or steam will not injure it. The best stitched canvas belt made, and the regular standard quality, sold by leading supply houses at a considerably higher price. **Use an awl in making holes for lacing canvas belting. Never use a belt punch as it cuts the threads. Four-ply Stitched Canvas Belting.**

Width, inches.....	1½	2	2½	3	3½	4	4½	5	6	7	8
Price, per foot.....	8c	10c	12c	15c	16c	17c	18c	20c	25c	30c	35c



### Endless Stitched Rubber Belts


**No. 6X44.** We offer this belt to fill the demand for Endless Rubber Thresher Belts, which are used to considerable extent in some localities. The belts are made of the best material and workmanship, both cotton and rubber being carefully selected. However, for threshers' belts we recommend the stitched canvas, as they give better service. Our rubber belts stretch less than any on the market, which prevents slipping and makes the belt deliver full power

120 ft., 8-in. x 5-ply.....	\$62.00
150 ft., 8-in. x 5-ply.....	\$75.00



### BAR BELT DRESSING

**No. T81.** Put up in 1-lb. bars. Price, per 1-lb. bar..... 75c



### Leather Belting

Made from carefully selected oak tanned hides, the different grades being according to weight, length of top, and part of hide from which leather is taken. **Quality considered you will find we save you at least one-fourth on anything in Belting.**

**AGRICULTURAL STANDARD LEATHER BELTING**


Made up to 3 inches of light oak tanned leather. Suitable for hand power machines or farm machinery.

Width, inches.....	1	1¼	1½	2	2½	3
Price, per foot.....	10c	12c	15c	20c	25c	30c

**EXTRA STANDARD LEATHER BELTING**

Made up to 6 inches of heavy selected oak tanned leather. A general purpose belting that will give good service and stand heavy loads. Fully equal to the grades offered by other concerns at higher prices.

Width, inches.....	1½	2	2½	3	3½	4	4½	5	6
Price, per foot.....	18c	24c	30c	36c	40c	48c	54c	60c	72c



### Rubber Belting

We sell two grades of Rubber Belting, the Standard and Premier Brands, and we advise you buying the Premier, as it will stand more work and is a heavier belt, and will give twice the service of the Standard.

**STANDARD RUBBER BELTING**

Recommended for light work, hand power machines and light farm machines; equal to belting offered for 25 to 50 per cent more than our prices. All 2 and 3 inch is 3-ply, other sizes are 4-ply.

**No. T16. Star Brand Rubber Belt.**

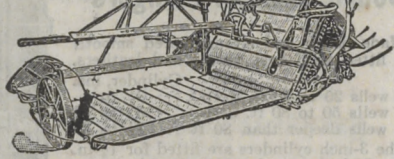
Width, inches 1½ 2 2½ 3 3½ 4 4½ 5 6	
Price, per ft. 6c 8c 10c 12c 15c 18c 20c 22c 25c	

**PREMIER BRAND RUBBER BELTING**

All sizes 4-ply. A most excellent grade, fully equal to the very best belting sold. Has a heavy outer coating of good rubber, long fibre cotton duck

plies, and is well made throughout. We recommend it for all general purposes, and guarantee it to give satisfaction.

Width, inches.....	1½	2	3	3½	4	4½	5	6	7	8
Price, per foot.....	10c	13c	15c	20c	25c	28c	30c	35c	40c	45c



### CONVEYOR CANVASSES FOR BINDERS

They are made of standard weight, size and construction. We guarantee them to be made of as good material as the original ones on a new machine, and they will fit perfectly, if you will give us the correct number and sizes when ordering. To fit the leading makes of binders sold in Canada.

Upper Elevator Canvas, complete.....	\$3.50
Lower Elevator Canvas, complete.....	4.00
6-ft. Platform Canvas, complete.....	4.50
7-ft. Platform Canvas, complete.....	5.00
8-ft. Platform Canvas, complete.....	5.50



**BRISTOL STEEL BELT LACING**

**No. T20.** Made of annealed steel, is very strong and tough and is one of the quickest and best belt fasteners on the market. And it is very valuable on a farm as it can be used for mending anything in harness from a throat latch to a tug.

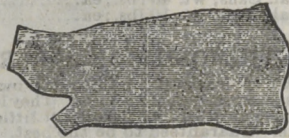
Easy to put on as there is no punching of holes, and makes a smooth, strong job. Put up in boxes of 100 inches assorted lengths from 1 1/4 to 2 3/4 ins.  
 Size No. 1—For single Leather Belts. Per box... 1.00  
 Size No. 11—For 3-Ply Belts. Per box... 1.50  
 Size No. 12—For 4-Ply Belts. Per box... 1.50

**BEST OAK TAN CUT LACING**

**No. T21.** Made from the very best oak tan leather possible to procure, put up in packages of 1 lb. each in sizes 1/4, 3/8 and 1/2 inch. Price per lb. 1.20

**RAW HIDE SIDE LACE**

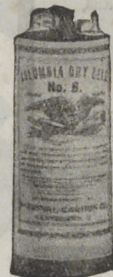
**No. T22.** Best Grade Selected Hides, tough and flexible. Sides average 6 to 8 lbs. We do not sell less than full sides. Price per lb. 1.20

**LACE LEATHER CUTTERS**

**No. T23.** Lace Leather Cutters for cutting leather into strips. Adjustable to various widths. Weight 4 oz. Each... 40

**REVOLVING BELT PUNCH**

**No. T24.** Revolving Spring Belt Punch, extra grade, cast steel, polished; 4 tubes for holes to fit any buckle. A handy tool for the man who uses either belt or harness. Price, each... 50

**COLUMBIA DRY CELLS**

One of the best dry cells ever manufactured, and we know that you cannot procure a more reliable or satisfactory cell, for use with your engine, and we advise using from six or eight dry cells in a battery.

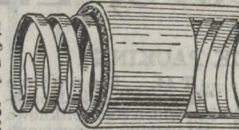
**No. E 63.** No. 6, size 2 1/2 x 6 in.; this is the standard size battery used for engines. Price, each... 25  
**No. E64.** No. 8, size 8 x 3 1/2 in. Price, each... 75  
 Battery Connector, made of flat copper. Price, each... 03  
 Spark Plugs. Price, each... 75  
 Jump Spark Coils. Each... 7.50  
 Make and Break Coils. Each 5.00

**Tank Pump Hose Rubber Hose****HOSE****Injector Hose Discharge Hose****"STANDARD" WIRE-LINED SUCTION HOSE**

In fine, high grade hose of all kinds we carry as complete a line as any house in the country. No house can furnish the same grade at lower prices than ours.

Our "Standard" Grade, 2 inch Wire-Lined Suction Hose is a grade that is better than the average wire-lined suction hose, offered by many dealers. It is three-ply, made with medium-weight duck, with a flat spiral wire lining.

**No. T27.** 20-foot length... 6.25  
**No. T28.** 25-foot length... 7.25

**"YELLOW JACKET" WIRE-LINED SUCTION HOSE**

This is what we recommend for all Tank Pumps, we have perfect hose that will stand the racket of the water. We have found it in the celebrated "Yellow Jacket." It is made of the very best material—a heavy flat wire lining, 4-ply of heavy canvas, and a composition containing more pure rubber than is used in any hose on the market. It is covered on the outside with a tight woven yellow cotton jacket; this outside woven jacket takes all the strain in bending, coiling and handling the hose—making it almost impossible to wear out this hose.

**No. T29.** 20-foot length, weight 50 lbs. Price... 8.00  
**No. T30.** 25-foot length, weight 60 lbs. Price... 10.00  
**No. T31.** Wire-Lined Injector Hose. Per 12 1/2 feet... 1.50

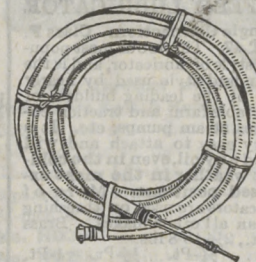
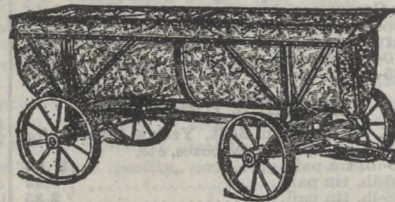
**RUBBER GARDEN HOSE**

We offer you the very best grade garden hose that can be procured for the prices we quote.

This hose is suitable for attaching to force pumps for fire purposes, washing wagons, watering lawns or for discharge hose for tank pumps. We could sell you cheaper hose but we could not guarantee it. Every foot of our hose is guaranteed put up in lengths of 25 and 50 feet. We do not sell less than 25 feet at these prices.

**No. T32.** 5-Ply Defiance Hose, size 1 inch. Price, per foot... 18  
**No. T33.** 4-Ply Defiance Hose, size 1 inch. Price, per foot... 15  
**No. T34.** 5-Ply Defiance Hose, size 3/4 inch. Price, per foot... 16  
**No. T35.** 4-Ply Defiance Hose, size 3/4 inch. Price, per foot... 11

1 in. Spray Hose Nozzles, 50c each; 3/4 inch Spray Hose Nozzles, 35c each; Hose Bands, 5c each; Hose Couplings, 1 inch 15c; 3/4 inch 10c.

**WESTERN WAGON TANK**

**No. T44.** Made of 20 gauge galvanized steel, 14-in. manhole, 1-in. flange fitted in rear end with plug, tank is securely bolted into steel cradle, with channel irons to fit over bolster, also fitted with side rails to protect tank; on the inside we place slush boards. This is one of the most durable tanks on the market, length 10 feet, width 33 inches, depth 2 feet, capacity 350 gallons, shipping weight 350 lbs. Price. 35.00

WITH CHANNEL  
STEEL BRACES  
AND  
INSIDE SLUSH  
BOARDS

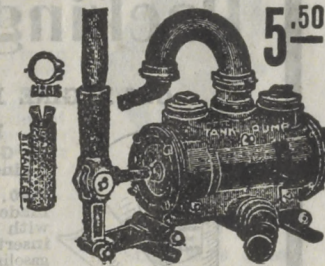
**TANK PUMP**

CAPACITY 2 BARRELS PER MINUTE

No other style low-down pump has stood the tests of time like this one. It has the greatest strength. Is the SIMPLEST, and handles more water with less labor than any other low-down pump. Can be successfully used for filling threshing tanks, washing out boilers, for use in shallow stock wells, draining cellars or irrigation purposes.

Double acting—draws water on each stroke of the lever. The cylinder is 5 inches in diameter, bored on a lathe and polished; has 5-inch stroke and 2-inch openings for suction and discharge. The plunger is solid; no valves to get out of order. Has brass valve-seats, and fitted with drain cocks to prevent freezing. Never wears out. New leathers, easy to replace, make it new. Union Nuts and Attachments are extra heavy and will not break.

**No. T36.** Price complete as shown in cut and including 2-in. round self-fastening strainer, nozzle and hose band. Weight 95 lbs. Price... 5.50

**TANK-PUMP OUTFITS****COMPLETE WITH HOSE****T40—20 FT. "STANDARD" OUTFIT**

Consisting of Low-Down Tank Pump, T36, complete, with hose bands and strainer. 20 ft. 2-in. wire-lined "Standard" Suction Hose. Complete outfit (Weight 140 lbs). Price... \$11.50

**T41—25 FT. "STANDARD" OUTFIT**

Consisting of Low-Down Tank Pump, T36, complete, with hose bands and strainer. 25 ft. 2-in. wire-lined "Standard" Suction Hose. Complete outfit (Weight 150 lbs). Price... \$12.75

**T42—20 FT. "YELLOW JACKET" OUTFIT**

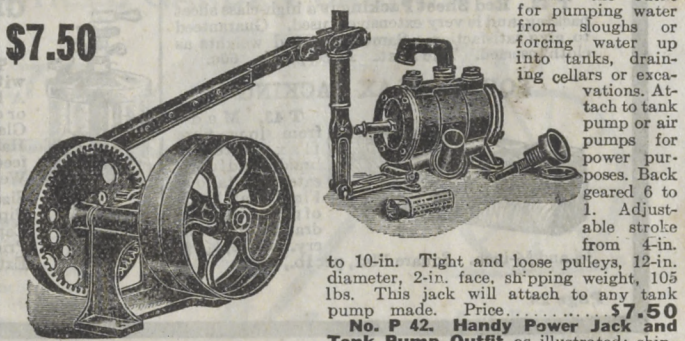
Consisting of Low-Down Tank Pump, T36, complete, with hose bands and strainer. 20 ft. 2-in. "Yellow Jacket" Suction Hose. Complete outfit (Weight 160 lbs). Price... \$13.50

**T43—25 FT. "YELLOW JACKET" OUTFIT**

Consisting of Low-Down Tank Pump, T31, complete, with hose bands and strainer. 25 ft 2-in. "Yellow Jacket" Suction Hose. Complete outfit. Price... \$15.50

**HANDY POWER TANK PUMP JACKS**

ANOTHER WAY TO MAKE THE ENGINE DO THE WORK



Just the outfit for pumping water from sloughs or forcing water up into tanks, draining cellars or excavations. Attach to tank pump or air pumps for power purposes. Back geared 6 to 1. Adjustable stroke from 4-in.

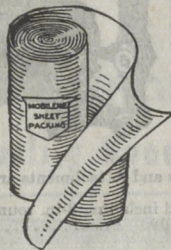
to 10-in. Tight and loose pulleys, 12-in. diameter, 2-in. face, shipping weight, 105 lbs. This jack will attach to any tank pump made. Price... \$7.50

**No. P 42.** Handy Power Jack and Tank Pump Outfit, as illustrated: shipping weight 210 lbs. Complete for... \$13.00



# Packings, Lubricators, Engine Trimmings and Oils

## GAS ENGINE PACKING



**Red and Black**  
For Gas and Gasoline Engine Cylinder Heads

**T 40. Sheet Packing,** made of pure asbestos, with a fine copper wire insertion. Adapted for gasoline engines, automobiles, etc. Surfaced on one side with a high heat-resisting compound, red on one side and black on the other. An excellent packing and guaranteed to give satisfaction. Put up in rolls 39 inches wide. We do not cut rolls lengthwise, but will furnish any quantity 39 inches wide. Thickness, 1-32 in. Wt., about 4½ lbs. to the square yard. Price, per lb., 95c.



## SHEET PACKINGS

We list only those packings which we can recommend to the thrasher and steam engine owner as the best and most economical. We have

all grades in rolls 36 inches wide, and will cut off any amount wanted, full width of the roll, but will not cut lengthwise of the roll. These packings are made to withstand high steam pressure without blowing out.

**T 41. Cloth-Inserted Rubber Packing** is the best cheap sheet-packing made for steam chests, cylinders, man and hand-hole plates, etc. We have 1-16 and 1-8 in. sizes, the thicknesses most used. The 1-16 in. weighs 7 lbs. to the square yard; the 1-8 in. weighs 13 lbs. to the square yard. Price, per lb., 25c.

**T 42. Red Sheet Packing** is a high-class sheet packing, and is very extensively used. Guaranteed to give satisfaction. Same sizes and weights as cloth inserted. The best. Price, per lb., 60c.

## SQUARE FLAX PACKING



½ and ⅝-inch. Square Flax, per lb., 35c.

**T 43. Made** from long-fibre flax, carefully braided and lubricated with tallow. Fine for all kinds of pumps and hydraulic machinery. Sizes, ¼, ½,

## GARLOCK PACKING



**T 44. Genuine** "Garlock" Spiral packing which is so well known as to require no comment. Made of the very best stock and gives universal satisfaction. Put up in boxes containing 12 feet.

We furnish in any quantity in sizes from ¼ to 2 in. Price, per lb., 75c.

## ASBESTOS WICKING

**T 45. This article** is made from the purest long fibre asbestos, spun and twisted round into the form of lamp wicks, for small valves, etc. In ¼, ½ and 1-lb. balls. Price, per lb., 35c.



## THRESHERS' SETS GASKETS



**T 46. Asbestos wire insertion,** 6 gaskets to a set, 2 manhole, 4 hand-hole gaskets. Per set, \$1.00

## SWIFT SIGHT-FEED LUBRICATOR

\$3.25



**Single Connection. Class F.**

**T 47. This is our most popular** style of lubricator, and is the standard style used by nearly all of the leading builders of portable farm and traction engines, steam pumps, etc. It is very easy to attach and will feed any oil, even in the coldest weather in the most exposed positions. More of these lubricators are used on threshing engines than all other makes. Brass finish. Wt., 2½ to 8 lbs.

Capacity...	1-Pt.	1-Pt.	1-Pt.
Thread...	1-in.	1-in.	1-in.
Price.....	\$3.25	\$3.70	\$5.50

## GLASS BODY OIL CUPS

For Gasoline Engines



**T 48. Glass Body Oil Cups,** with sight feed and snap lever. A high class cup for gas, gasoline or oil engines and air compressors. Glass body with a large sight feed. Has both set feed and stop feed, so feed can be regulated perfectly. Weights, 14 to 24 oz. each.

Size.....	2	3	4	5
Pipe Thread...	¼"	½"	¾"	1"
Capacity, oz.	1	2½	4	5
Price.....	\$1.00	\$1.25	\$1.75	\$2.00
Extra Glasses	.20	.25	.35	.40

## Oils, Lubricants and Axle Grease

Threshermen and Farmers desiring high-grade lubricating oils will profit by sending us a trial order. We make a specialty of this line and are handling the very best oils that can be compounded at the lowest known prices. In comparing these prices, remember that we have included price of cans and barrels. Prices are f. o. b. Winnipeg.

## CYLINDER OIL

**T 61. A heavy, 600-degree fire-test oil,** which never fails to give satisfaction. Made from the finest Pennsylvania No. 1 Crude, settled, distilled and filtered. The flash, fire, gravity and viscosity tests of this oil are the very best. Try it, and you will use no other. Amber or black in color. State which is wanted.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$18.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	11.20
5-Gal. Cans; wt. 40 lbs.; ea.	2.75
1-Gal. Cans; wt. 10 lbs.; ea.	.65

## CASTOR MACHINE OIL

**T 62. A Very Heavy, Stringy Oil,** light in color; guaranteed to satisfy.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$12.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	8.50
5-Gal. Cans; wt. 40 lbs.; ea.	1.85
1-Gal. Cans; wt. 10 lbs.; ea.	.50

## ENGINE OIL

**T 63. A No. 1 Light-Red Oil,** for lubricating journals and high-grade machinery of all kinds.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$13.50
25-Gal. Bbls.; wt. 235 lbs.; ea.	8.25
5-Gal. Cans; wt. 40 lbs.; ea.	2.00
1-Gal. Cans; wt. 10 lbs.; ea.	.55

## BLACK OIL

**T 64. An Excellent Grade of Black Oil,** suitable as a lubricant for sawmills and heavy machinery during both summer and winter months.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$9.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	7.25
5-Gal. Cans; wt. 40 lbs.; ea.	1.50
1-Gal. Cans; wt. 10 lbs.; ea.	.40

## GRAPHITE CUP GREASE

**T 65. A Specially Prepared, Medium Soft,** Dark Grease, which contains powdered graphite in suspension. Absolutely free from grit, and is by far the best hard oil on the market.

Per 10-lb. tin pail.....	\$1.25
Per 25-lb. tin can.....	3.75

## THRESHER HARD OIL

**T 66. A Medium Soft, Yellow Grease;** for use in grease cups, journal boxes, etc.

Per 5-lb. tin pail.....	\$ .60
Per 10-lb. tin pail.....	.95
Per 25-lb. tin pail.....	2.35

## HARVESTER OIL

**T 67. The Best All-Purpose Harvester and Mowing-Machine Oil on the market.** Compounded especially for binders, headers, mowers, threshers or any other machinery where good oil is needed. Warranted to be the best that you ever used. Try it.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$15.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	9.00
5-Gal. Cans; wt. 40 lbs.; ea.	2.10
1-Gal. Cans; wt. 10 lbs.; ea.	.60

## GASOLINE ENGINE OIL

**T 68. Realizing the necessity of a Strictly High-grade Cylinder Oil for Gas and Gasoline engines,** we are offering a guaranteed oil on which you can rely. Do not experiment, use the best—it pays.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$18.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	11.00
5-Gal. Cans; wt. 40 lbs.; ea.	2.85
1-Gal. Cans; wt. 10 lbs.; ea.	.70

## AUTOMOBILE CYLINDER OIL

**T 69. We are selling this oil to owners of all kinds of expensive automobiles.** They like it, and will have no other. Gives off but little odor and smoke. Guaranteed to be the best. Send us a trial order.

42-Gal. Bbls.; wt. 400 lbs.; ea.	\$23.00
25-Gal. Bbls.; wt. 235 lbs.; ea.	12.00
5-Gal. Cans; wt. 40 lbs.; ea.	3.00
1-Gal. Cans; wt. 10 lbs.; ea.	.75

## CREAM SEPARATOR OIL

**T 70. A Good, Light, Clean Oil** that will not gum, heat or congeal in cold weather. Suitable for separators or any other high-speed machinery.

10-Gal. Cans; wt. 85 lbs.; ea.	\$4.50
5-Gal. Cans; wt. 40 lbs.; ea.	2.75
1-Gal. Cans; wt. 10 lbs.; ea.	.75

## DIXON'S FLAKE GRAPHITE

**T 71. American Flake Graphite** of extraordinary properties. Has unrivalled smoothness and endurance. As a lubricant it is superior to either oil or grease. In 5-lb. cans, each, \$1.10; 1-lb. cans, each, 25c.

## "MICA" AXLE GREASE

**T 72. A Good Grease.**

1-lb. cans, \$1.00 doz.; each.....	\$ 1.10
15-lb. tin pails, each.....	1.10
25-lb. tin pails, each.....	1.55

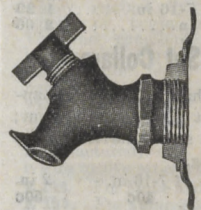
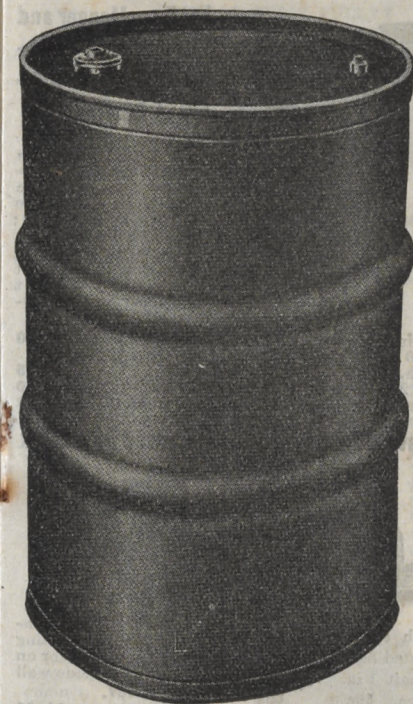
Prices quoted on application on Coal Oil, Gasoline and Crude Oils as owing to continued changes in prices we cannot list.



# JUST What Every Farmer has been Waiting for!

**A Safe and Profitable Way to Buy Oil and Gasoline \$6.50**

Save Money on our New Plan. We supply the Steel Barrel and fill it with Oils or Gasoline at prices listed below. SOME reasons why you should buy now.



We Supply Free with Every Barrel a 1-in. Faucet

Do you ever stop to figure how much oil you waste in a year, by storing kerosene, gasoline or crude oil in wooden barrels? Have you ever stopped to consider the trouble and bother from leakage and dirt around the ordinary oil barrels? Isn't the slight additional cost a good investment when you eliminate all danger of fire around your storage house? Think it over and order your next 40 gallons shipped to you in a **WELDED STEEL BARREL**.

**WELDED STEEL BARRELS**, always clean, safe, ready for use. We ship a brass faucet attached to the barrels (as shown in the illustration), and a few minutes' work will make the barrel the best steel oil tank that money can buy. On the head of the barrel a large plug is inserted. Unscrew this plug, detach the faucet, which is secured on the inside end of the plug, and screw back the plug in its original place. Then attach the faucet. Set the barrel on its side on some slight elevation, and you have a steel tank, from which the oil can be taken without dirt, trouble or waste.

The **VICTOR No. 1 Steel Barrel** complies with the **Railroad test—Don't buy a steel barrel for shipping purposes unless it is guaranteed to stand this test—Victor Barrels** are electrically welded and made of 16 and 18 gauge metal—18-gauge is for shipping lubricating oils and storage purposes, or where a man is handy, a filling station, and gets it filled himself.

**16-gauge is for Inflammable liquids, such as gasoline, kerosene and all oils for shipping or storage, and will stand all kinds of rough usage—and is the barrel to buy.**

Capacity of all barrels is 44 Imperial gallons, painted with a special weather-proof paint and furnished with 2-in. standard threaded bung for filling and 3/4-in. bung for faucet.

**No. HD250. 16-gauge Victor Steel Barrel, with faucet, weight, 75 lbs. Price.....\$6.50**

**No. HD251. 18-gauge Victor Steel Barrel, with faucet, weight, 45 lbs. Price.....4.50**

**Best grade of Gasoline, per gallon in steel barrels.....22c**

**First quality Coal Oil or Kerosene, per gallon in steel barrels.....18c**

**Harvester or Machine Oil, per gallon in steel barrels.....28c**

**Castor Machine Oil, per gallon in steel barrels.....25c**

**Steam Cylinder Oil, per gallon in steel barrels.....35c**

**Gasoline Engine Oil, best quality, per gallon in steel barrels.....33c**

## PRICES OF OILS SUBJECT TO MARKET CHANGES

All our oils are guaranteed as good as you can buy, as they are supplied us by one of the best Oil Companies in Canada—A barrel of oil weighs about 375 lbs., takes 3rd class freight rate. Steel barrels only take 1st class.—Send us your order to-day.

AND

**\$4.50**

## Seamless Copperized Steel Oilers

**No. HD252. Heavily electro copper plated inside and out. 9-inch nozzles are bent; others are straight, spring bottoms. Equal to solid copper oilers in service.**

Size, No.....	2	4	6
Diameter bottom, inches.....	3 3/8	3 3/8	4 1/8
Length spout, inches.....	3 1/2	9	3 1/2
Weight, about, ounces.....	4	4	6
Price, each.....	20c	25c	30c



**No. H.D. 253**

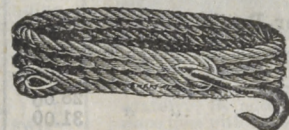
Pts.	Length of Spout	Each
1	8-in.	\$ .80
1 1/2	12-in.	.90
2	20-in.	1.00

## Cannon Oilers

**No. HD253. Cannon, with force feed attachment. Can be used in any position.**



**No. H.D. 252**



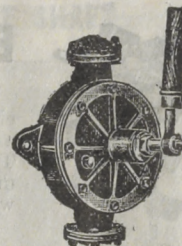
**Wire Switching Ropes or Threshers' Cables \$7.50**

Every **thresher** should have one or more of these **Wire Switch Ropes**, and then make it the first duty of the crew when setting for a job to attach the separator to the engine with the switch rope. Then in case of fire the engine can immediately pull the separator to a place of safety. Breaking strain of 3/4-inch is 20 tons.

**No. HD254. 3/4-in. x 60-ft., weight 45 lbs. ....\$7.50**

**No. HD255. 3/4-in. x 60-ft., weight 60 lbs. ....8.50**

## Semi-Rotary Wing Pump---Quadruple Acting Force



**No. HD256. Will pump gasoline, oil, water, etc., from a depth of 24 ft. and force to a height of 90 feet without help of an intervalve. Capacities based on full stroke of lever fitted with brass valves.**

Number.....	1	2	3
Size of Pipe.....	3/4-in.	1-in.	1 1/4-in.
Weight.....	13lb.	18lb.	28lb.
Gals. per minute.....	7	9	11
Price, each.....	\$4.00	\$5.00	\$6.00

## RATCHET JACK SCREW---\$5.00

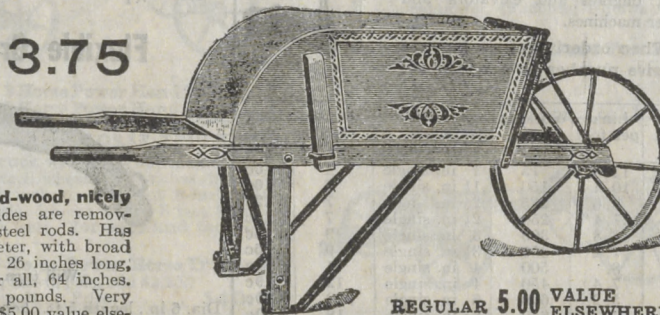


**25 Ton Capacity**

**No. HD257. Lifts a load in half the time required with an old style screw.** Screw is made of tough wrought iron, threads are lathe turned. Stand is cast iron. Capacity 25 tons. Diameter of base, 9 1/4 inches; diameter of screw 22 inches; height over all, closed, 15 1/2 inches; open, 22 inches. Weight about 43 lbs. Price, each.....\$5.00

## STEEL WHEEL GARDEN BARROW

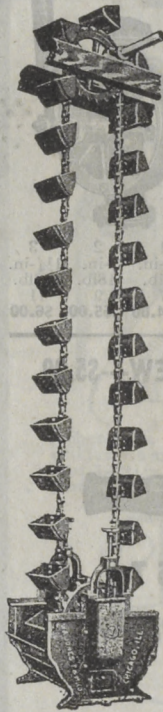
**OUR PRICE ONLY 3.75**



**No. HD258. Made of hard-wood, nicely painted and varnished. Sides are removable. Strongly braced with steel rods. Has steel wheel 20 inches in diameter, with broad tire and wide bearings. Bed, 26 inches long, 11 1/2 inches deep; length over all, 64 inches. Shipping weight, about 48 pounds. Very easy running and serviceable; \$5.00 value elsewhere. Price.....\$3.75**

**REGULAR 5.00 VALUE ELSEWHERE**





## Build Your Own Grain Elevators

This illustration represents a bucket elevator using single strand chain with link bucket attachments for attaching buckets direct to chain and makes a serviceable and strong elevator for small grains of all kinds. The large cast iron elevator boot as shown at bottom is not necessary unless you require a very large elevator, as you can make a boot out of wood or merely a bin of some kind to hold grain at bottom.

The prices we quote you on all these goods save you money and remember we sell you the standard fittings as used in all high grade elevators. For sufficient material to build an elevator 20 ft. like illustration it takes 40 ft. of link chain, 42 link chain attachments, two 10-in. sprocket wheels, 42 buckets with 84 bolts or rivets, 4 flat boxes, 1 3-16 in. shaft, 18-in. long for top, 1 drive pulley for belt, or you can use take-up boxes for top as illustrated elsewhere, in place of flat boxes. This allows you tightening chain.

This allows for buckets one foot apart, but you can space same closer if desired by using extra link bucket attachments and buckets. You can also order any size sprocket wheel desired. We have given you the above information as a guide to ordering. However, if you are not sure exactly what you require, write us what length of elevator you require and we will give you full particulars free.

### Price of Cast Iron Boots or Bottom

Dia. of Wheel,	10-in.	For buckets	4-in. wide	Price each	\$20.00
" " "	10-in.	" " "	5-in. "	" "	22.00
" " "	10-in.	" " "	6-in. "	" "	28.00
" " "	12-in.	" " "	7-in. "	" "	31.00
" " "	14-in.	" " "	8-in. "	" "	38.00

Above prices on boots include drive pulley.

## Detachable Link Chain Belting

No. E 180. Best quality malleable iron link chain belting, for use on mowers, reapers, corn and wheat drills, corn shellers, straw stackers, feed cutters, traction engines and elevators and other machines.



When ordering chain be sure to give number as per table.

No.	Links per foot	Working strain, pounds	Approximate inches leather belt	Wt., per foot, abt. oz.	Price per foot
25	13.3	75	1 in. single	4	10c
32	10.4	150	1 1/4 in. single	6	10c
34	8.6	225	2 in. single	7	12c
35	7.4	250	2 1/2 in. single	7	15c
42	8.8	300	3 in. single	9	15c
45	7.4	350	3 1/2 in. single	9	15c
52	8.	500	4 in. single	11	18c
55	7.4	450	4 in. single	12	19c
57	5.2	600	6 in. single	12	20c
62	7.3	650	6 1/2 in. single	18	20c
67	5.2	700	7 in. single	18	25c

## Attachment Links

Attachment Links for Chain Belting, with 2 rivet or bolt holes for fastening buckets to. For link chain Nos. 45, 52, 57 and 67.



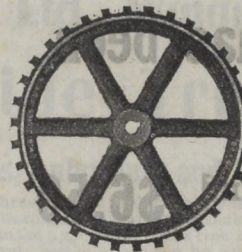
Price per link.....25c

## Flexible Grain Spouts



Will turn any angle.

Dia. 6 in., length 5 ft., hopper 10x10 in.	\$7.00
Dia. 8 in., length 6 ft., hopper 12x12 in.	9.00



## Sprocket Wheels

No. E 182. Used in connection with link chain belting. For No. 45 and 52 chain only. Bore 1 3-16 inch, all with set screws.

Dia. In.	Teeth	Price Ea.	Dia. In.	Teeth	Price Ea.
4	8	\$1.50	16 1/2	34	\$4.00
6	13	1.65	18	38	4.30
8	17	1.75	22	46	5.20
10	21	2.00	24	50	5.75
12	25	2.50	30 1/2	60	8.00
14 1/2	30	3.50			

## Salem Elevator Buckets



E 183. Made of 16-gauge steel.

Capacity Bushels per hour 200 ft. per minute	Width Inches	Projection Inches	Price Each
12 inches apart	3	3	.07
87	3	3	.10
116	4	3	.10
131	4	3	.10
229	5	4	.15
251	5 1/2	4	.17
274	6	4	.20
500	7	4 1/2	.25
670	8	5	.30

Use No. 45 or 52 chain on above buckets.



BUTTON HEAD

## Elevator Bucket Bolts

Price per 100...70c

In following sizes

Dia. 1-in. x 3, 1 1/2, 1 3/4 and 1 in. long.



In ordering state length and style of head.



## Take Up Boxes

For use where it is necessary to take up slack in belts or chains.

5-in. take up for 1 3-16 shaft.	Price each.....\$2.75
7-in. take up for 1 7-16 shaft.	Price each.....3.50

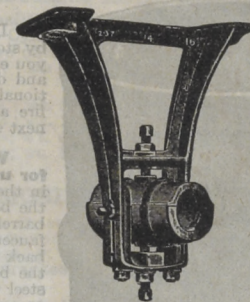
## Cold Rolled Polished Steel Shafting



E 184. Smooth, straight steel; uniform in size; no better shafting made. We quote below the regular standard size of shafting, the size most commonly used. We can furnish any size. Furnished in any lengths, from 2 to 20 feet.

Size Dia.	Weight per foot	Price per foot
1 in.	2 1/2 lbs.	16c
1 3-16 in.	3 1/2 lbs.	20c
1 7-16 in.	5 1/2 lbs.	35c
2 in.	10 1/2 lbs.	65c

## Universal Four Point Adjustable Ball and Socket Drop Hanger and Floor Stand. Duplex Oiling and Babbitted Bearings



E 185. Complete with bearings, double braced; made strong where strength is needed; can be used in floor, ceiling or side wall; absolutely the most desirable shaft hanger on the market.

6 to 8 in. drop for 1 and 1 3-16 shaft.	Each.....\$2.50
8 to 10 in. drop for 1 3-16 and 1 7-16 and 2 in.	Each.....2.75
10 to 12 in. drop for 1 7-16 and 2 in. shaft.	Each. 3.00
14 to 16 in. drop for 1 7-16 and 2 in. shaft.	Each. 3.50

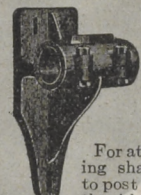
## Heavy Rigid Pillow Blocks



With split and reamed babbitted bearings.

For shaft 1 in.	1 3-16 in.
Price ea. 50c	60c
For shaft 1 7-16 in.	2 in.
Price ea. \$1.00	1.50

## Improved Post Block



For attaching shafting to post or on the side wall

No. E 187.	
1 3-16 in.	\$1.00
1 7-16 in.	1.20
2 in.	2.00

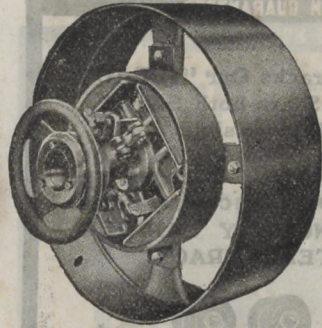
## Safety Set Collars

E 186. For shafting, next to hangers, to prevent shaft working out; finished with set screw; carried in size to fit any shafting.



For shaft. 1 in.	1 3-16 in.	1 7-16 in.	2 in.
Price each. 30c	35c	40c	50c





## FRICITION CLUTCH PULLEYS

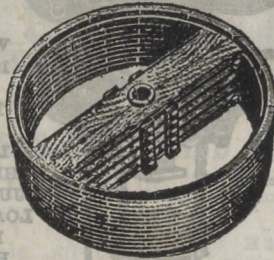
No. E 190 For Gasoline Engines.

Used in place of the regular pulley on a gasoline engine, so that you do not have to throw the belt on or off. You can start the engine independent of the machinery. After the engine is running, you simply push in on the hand wheel to start the machinery, saving wear and tear on the engine as well as the machinery and making it much easier to start the engine. When clutch pulley is ordered with our engine we deduct the price of the regular pulley. Send full amount for clutch pulley with order and we will return the amount due for omission of regular pulley. Always give Diameter of crank shaft when ordering.

Size, Inches	Wt., Lbs.	Price	Size, Inches	Wt., Lbs.	Price
12x8	125	\$22.00	20x10	175	\$31.00
16x8	135	25.00	22x10	200	34.00
18x8	150	27.00	24x10	220	37.00
20x8	160	28.50	28x10	230	41.00

### WOOD SPLIT PULLEY

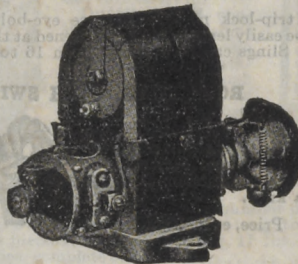
These pulleys are made from the best selected stock, air-seasoned and kiln dried. Every pulley furnished with adjustable bushings. Be sure to give diameter with width of face, also state size of shaft pulley is to be used on.



No E 191 Diameter Inches	4 Face	6 Face	8 Face	10 Face
4.....	\$1.40	\$1.65	\$2.00	\$2.25
6.....	1.50	1.85	2.25	2.50
8.....	1.60	2.00	2.50	3.00
10.....	1.75	2.15	2.65	3.25
12.....	2.20	2.75	3.00	3.50
14.....	2.30	3.00	3.50	3.85
15.....	2.40	3.50	4.00	4.50
16.....	2.60	3.80	4.25	4.75
18.....	3.00	4.20	4.74	5.25
20.....	3.20	4.60	5.50	6.00
24.....	3.50	5.00	6.50	7.00
28.....	4.50	6.00	8.00	9.00
30.....	5.00	6.50	8.50	11.00

### WIZARD LOW TENSION MAGNETOS

Designed for use with single cylinder engines, they are driven by friction of pulley against fly wheel of engine. We send complete instructions for installing our magnetos which include wiring diagram. This is one of the finest magnetos manufactured, and is sure to give satisfaction.



E 192. For Make and Break Engines, \$12.00.  
E 193. For Jump Spark, \$13.00.

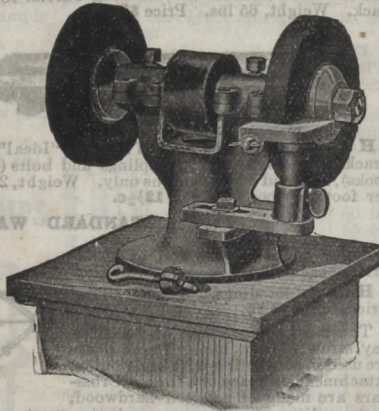
### SOMETHING NEW that EVERY FARMER NEEDS

#### THE DUPLEX FARM TOOL GRINDER

##### NO ENGINE TOO SMALL FOR IT

Another way to make the Gas Engine do the Work

Best grade Maxos Emery Wheels. Spindle 19-in. long 1-in. diameter. Pulley 3 1/2 dia. x 2-in. face; speed not over 2,000 r.p.m.; wheels up to 12-in. diameter and 1 1/2-in. face can be used. Sharpens plow shares, disc harrow blades, cultivator points, axes, sickles, ensilage cutter knives, mower knives and tools of every kind; also for gumming saws. Special swiveled pivoting attachment for grinding discs included. Edge or side of wheel can be used. Any adjustment or rests readily made. One grinding of the discs on a harrow or drill saves the cost.



No. 2 1/2 — Duplex grinder, complete with special swiveled Disc Grinding Attachment and two emery wheels, 1 coarse and 1 fine, 8 - in. diameter and 1-in. face. Shipping weight 65 lbs.

Price only

**\$11.50**

Double beveled wheel for sharpening mower knives. Wheel 5 1/2-inch diameter by 3-inch face, \$1.00. Price of No. 2 1/2 grinder only without wheels . . . **\$8.50**

No. 1 1/2—Single wheel grinder only with all attachments, as above, no wheels . . . **7.50**

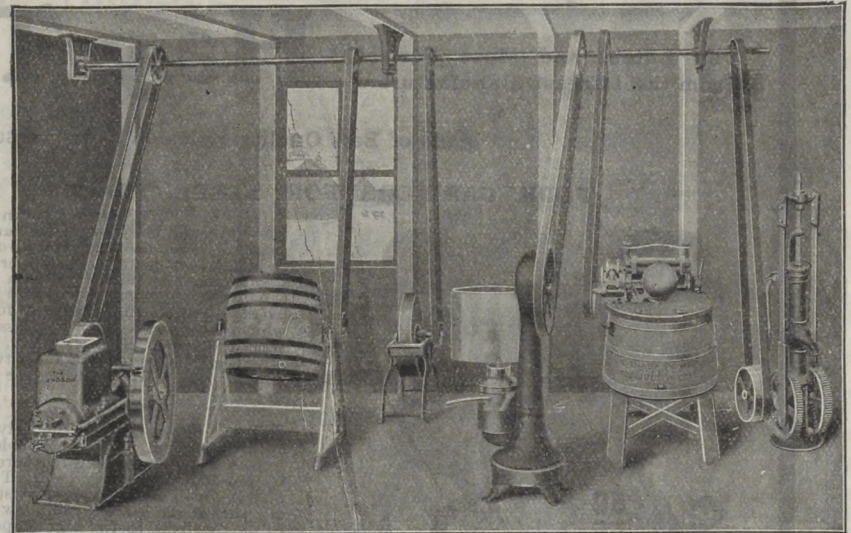
Price list of Emery Grinding Wheels with flat face to suit Duplex grinders or any other grinder if you give us spindle diameter.

Diameter	1-in. face	1 1/2-in. face	1 1/2-in. face
6-in. ....	\$1.00	1.35	1.75
8-in. ....	1.60	2.00	2.25
10-in. ....	2.25	2.50	3.00
12-in. ....	2.70	3.00	3.50

Saw Gumming Wheels 8x 1/4-in. \$1.00 8x 3/4-in. \$1.25  
Saw Gumming Wheels 10x 1/4-in. 1.35 10x 3/4-in. 1.75

No. E195—Price of 24x3-in. Power Grindstone as illustrated on line shaft outfit. Shipping weight 170 lbs. Price . . . **12.50**

## RUN YOUR MACHINERY FROM A LINE SHAFT



Tell us what you want to do, we tell you how to do it and just what it will cost.

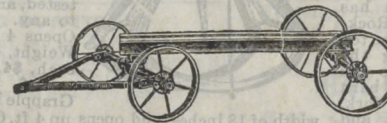
It is more economical to run several machines at the same time than to run each one separately. By putting in a line shaft and connecting all your machinery you can run them all at the same time with one gasoline engine, or you can run each one separately. Write and tell us what machines you have, or those you would like to buy that could be run with a gasoline engine, and we will tell you what size engine you will need to get the best results at the least expense. All information is free of charge.

No. E 196. 5 Piece Line Shaft same as illustrated for running Churn, Grindstone, Cream Separator, Pump Jack and Washing Machine, including 20 feet of 1 1/2 shaft with 3 Hangers, Set Collars and 6 pulleys including drive pulley. . . . . **\$22.50**

No. E 197. 4 Piece Line Shaft for running Churn, Washing Machine and Cream Separator, including drive Pulley from engine. 12 ft. 1 in. shaft set collars and 2 hangers, complete. . . . . **\$15.00**

If you already have an engine give us the diameter of pulley on engine and R. P. M. so we can send pulleys to suit proper speeds; if you haven't an engine, buy a "JUDSON" and you will be sure of satisfaction.

### HAND TRUCK FOR GASOLINE ENGINES



An all steel truck with hand tongue, metal axles; steel wheels, 1 1/2-horse power, 10 inches front, 12 inches rear; 2 and 4-horse power, 14 inches front, 16 inches rear. Length of channel, 1 1/2-horse power, 40 inches; 2-horse power, 49 inches; 4-horse power, 57 inches.

No. E 198. 1 1/2-Horse Power Hand Truck, Weight, 75 pounds. Price . . . . . **\$7.00**

No. E 198A. 3 Horse Power Hand Truck. Weight, 125 pounds. Price . . . . . **\$9.00**

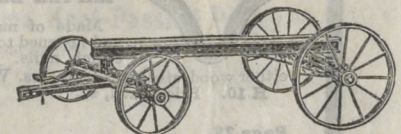
No. E 198B. 5 Horse Power Hand Truck. Weight, 190 pounds. Price . . . . . **\$12.00**

### HORSE TRUCK FOR GASOLINE ENGINES

An all steel truck with tongue, channel frame, I-beam axles; steel wheels, 24 inches front, 32 inches rear; 4x 1/2 inch tires; 4-foot 8-inch track. Length of channels, 5-horse power, 8 feet 4 inches; 7-horse power, 9 feet; For seat and footboard add \$2.50.

No. E 199. 5-Horse Power Horse Truck, with pole. (Shafts in place of pole, add \$2.25.) Weight, 670 pounds. Price . . . . . **\$40.00**

No. E 199A. 7 or 8-Horse Power Horse Truck, with pole. Weight, 700 pounds. Price . . . . . **\$45.00**





SATISFACTION GUARANTEED

C. S. JUDSON CO. Ltd., Winnipeg

SATISFACTION GUARANTEED

The Latest and Most Perfect  
From the Largest Manufacturers

# Hay Tool Outfits

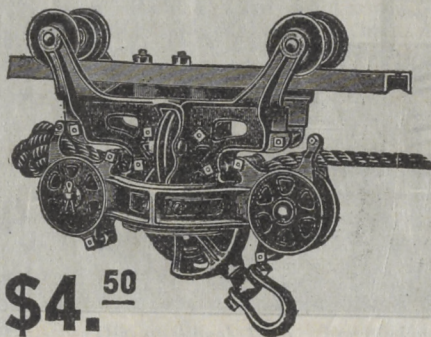
For Steel Tracks Our "IDEAL"  
CARRIERS are both Swivel  
and Reversible

Retail Price .... \$16.00

OUR PRICE.... **\$7.75**

Made of Best Quality Malleable on. Absolutely no Friction or Twisting Strain on any part of the Carrier

## FORK CARRIERS FOR STEEL TRACKS



**\$4.<sup>50</sup>**

Our "Ideal" Hay Carriers shown herewith are the latest and most up-to-date carriers on the market. They are made by one of the largest hay-tool manufacturers in America. In designing these carriers it has been the desire of the inventor to overcome the bad effects of the old-style registering-head or fork pulley—which always gives more or less trouble, for when the fork is filled with hay, the swinging of the load causes friction and a twisting strain on the entire carrier, causing the head to bend or break.

The "Ideal" Carriers have a large mouth. The fork pulley, having the swivel clevis and swinging yoke, allows the malleable iron sheaves to pass well up into the car, where it is grasped by the dogs and firmly held. These features do away with any friction or twisting strain on any part of the carrier, and allow the operator to fill the barn to the highest possible point. The sheaves being large, will carry any size rope up to one inch.

They will work perfectly with any style fork and are both swivel and reversible. The swivel has extra large bearings, enabling it to be turned easily.

You take no chances on these carriers. If not satisfactory, they may be returned at our expense, and your money will be refunded.

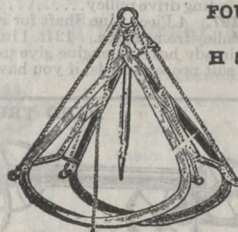
**H 1.** "Ideal" Steel Track Carrier, with fork pulley. Weight, 35 lbs. Price **\$4.50**.

**H 2.** Sling Pulley for "Ideal" Carrier, to use wagon slings, extra **\$1.75**.

## HAY FORKS— DOUBLE HARPOON



**H 4.** Hay Forks, double harpoon. Regular double harpoon fork, all steel frame, with tines 32 ins. long, is heavy built and has great capacity. Rockerbar is close to the top of fork, bringing the load up closer to the top of the barn than any other fork, lock is positive, and fork will trip in any position. Weight, 25 lbs. Price **\$2.25**.

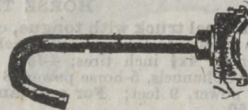


## FOUR-TINE GRAPPLE FORK

**H 5.** For many purposes, such as handling straw and fine hay, a grapple fork is preferable. These forks have been fully tested, and are superior to any. Width 17-ins. Opens 4 feet 6 inches. Weight, 40 lbs. Price, each, **\$4.50**.

**H 6.** Our Six-Tine Grapple Hay Fork has a width of 18 inches, and opens up 4 ft. 6-ins. Strong and well braced. Weight, 55 lbs. Price, each, **\$5.50**.

## HANGING HOOKS



**H 8.** Hooks for steel track, complete with Clamp. Weight, 1 lb. Price, each, **6c**.

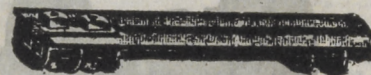
## RAFTER BRACKETS



Made of malleable iron and fastened to rafters with clinch nails. Used with either wood, steel track hangers. Weight, 1/2 lb. **H 10.** Price, each, **4c**.

This is the carrier you want when you wish to use hay slings because no special sling pulley are required, as the carrier has sling pulley of its own. Is made of best malleable iron, heavy and substantial. It is the best carrier for hay, grain or corn fodder. Has eight track wheels and extra heavy frame that prevents jumping on the track. Another good point—it draws the hay or grain up direct, as the load stands with no twist in rope. It is also a perfect swivel carrier, and when one side of barn is filled, all that is necessary to do is to take the pulley from the hook and carry pulley and rope to the hook on opposite end of barn without changing rope in the pulleys.

**H 12.** New "Ideal" Swivel-Sling Carrier for steel track. Weight, 65 lbs. Price **\$7.75**.



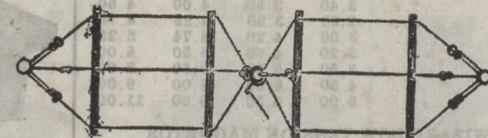
**H 7.** Double-Angle Steel Track for "Ideal" Steel-Track Carriers, including couplings and bolts (but no hooks), in 5 and 10-ft. lengths only. Weight, 2 1/2 lbs. per foot. Price, per foot, **12 1/2c**.

## STANDARD WAGON HAY SLINGS

**H 12.** 5-foot slings. Weight, 23 lbs. Price, each, **\$2.25**.

**H 13.** 6-foot slings. Weight, 30 lbs. Price, each, **\$2.75**.

The most perfect way of handling hay, straw, fodder, etc. These slings are used in connecting with sling pulley attachment, in place of a fork. Crossbars are made of selected hardwood, best quality manilla rope, and the most perfect trip-lock made. We use eye-bolts to fasten rope to bars, which do not damage rope. Ropes can be easily lengthened or shortened at the end rings. The spreaders on these slings are 4 1/2 feet wide. Slings can be adjusted from 16 to 20 feet in length.



## FLOOR HOOKS

3/4-inch Floor Hooks for screwing into floor or rafter to hold pulleys. Weight, 1 lb.

**H 9.** Floor Hooks, each, **8c**.



## ROPE HITCH WITH SWIVEL

**H 11.** A very convenient device, to attach to end of rope much easier than to tie and untie a knot.

Price, each, **20c**.

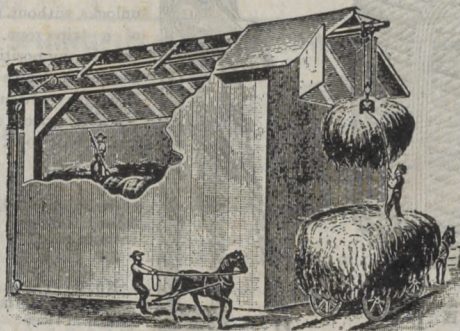


WHEN BARN  
IS EMPTY IT  
IS NOT  
NECESSARY  
TO RAISE  
LOAD UP TO  
THE TRACK—  
JUST RAISE  
LOAD TO ANY  
DESIRED  
HEIGHT—  
THEN TRIP IT

It means a great saving in time, as well as half the distance.



# COMPLETE OUTFITS ALL READY TO ERECT IN ANY SIZE BARN



Can be worked from centre as well as from end.

## PULLEYS, WOOD AND IRON.

Our pulleys will take 1-inch rope, but  $\frac{3}{4}$ -inch or  $\frac{3}{8}$ -inch is recommended as it will slip through easier and is amply strong for the purpose.

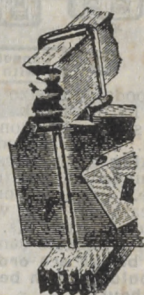


**H 14.** All iron pulley, iron sheave, well made, best finish. Weight, 4 lbs. Price, each, 30c.



**H 15.** 6-inch maple wheel, with large iron frame, large hollow pin, self-oiling. Weight,  $3\frac{1}{2}$  lbs. Price, each, 25c.

## HAY-RACK BRACKETS AND CLAMPS



**A 32-PIECE SET for only \$1.50**

Makes a strong and neat rack without boring holes in main frame to weaken it. Brackets set angle to make rack narrow in front, so you can turn short in.

**Outfit No. 1** consists of 8 steel clamps over upper 2x4, through the iron support bracket past the 2x8, through the lower 2x4 (floor sill), and then through the lower steel clip, 8 upper grooved steel

washers; 8 slower steel clips; 8 flanged and studded brackets, right and left; making a total of 32 pieces.

**H 30** Price, complete set, 16 lbs. . . . . \$1.50

**Outfit No. 2** consists of the same number of pieces as Outfit No. 1, but clamps are 16 inches long, to permit of 2x6 for cross pieces if desired. Weight, 17 lbs.

**H 31** Price, complete set . . . . . \$1.75



## WE ARE LEADERS IN HAY TOOLS FOR BARN— WE KNOW WHAT YOU NEED

This cut shows carrier in barn, and same plan is followed for both steel and wood track. The cut also shows how track is carried out beyond end of barn when it is desired to load from end. It is a very simple thing to erect a hay carrier outfit, either in the field or barn. If you can drive a nail you can put up Steel Track Outfit or a Cable Outfit.

Our haying tools are made in one of the largest hay tool factories in the world. Every article mentioned in connection with our outfits is star card—that is, just the same as sent out by these manufacturers direct to the jobbers and dealers over the country.

### HOW TO ORDER

On this and on previous page you will find listed and priced everything you can possibly need for erecting and operating a hay carrier outfit. We show list and price all the different parts separately.

### FOR CONVENIENCE IN ORDERING

We have arranged these steel track outfits complete for different sized barns, for the accommodation of our customers, not only to save them time and trouble, but also for those who do not know just what an outfit consists of. If you desire these changed in any way, be very careful to add to the price of the outfit, or take from it, as you change the number of items, or your order will be held to write you. We have arranged them however, in the best possible manner, that is, saving you as much as we possibly can, at the same time giving you plenty of everything necessary. Larger rope than 1 in. cannot be used.

The brackets and the hanger hooks are furnished to be placed on every other rafter where 2 ft. apart, as is used in modern barns, except at ends and center, where you place more. You can place them closer, if you desire.

The steel track is made of 1-inch angle steel, 2 pieces held together with malleable clamps. Is cut in 10-ft. lengths, with two 5-ft. pieces to each outfit to break joints.

We use best grade special manilla rope,  $\frac{3}{8}$ -inch, although carries will use any size from  $\frac{3}{4}$  to 1 inch.

### STEEL TRACK OUTFITS

Remember, we give you the "Ideal" Large Mouth Carrier, which is the best made.

Cat- alog No.	Length of Barn	Fork Double Har- poon	Manilla Rope, $\frac{3}{8}$ inch	Check Rope $\frac{3}{8}$ inch	Hang- ing Hooks	Rafter Brac- kets	Floor Hooks	Knot Passing Pulleys	Weight	Price
H 17	30 ft.	H 4	100 ft.	40 ft.	9	9	4	3	200 lbs.	18.50
H 18	35 ft.	H 4	110 ft.	45 ft.	11	11	4	3	220 lbs.	20.00
H 19	40 ft.	H 4	120 ft.	50 ft.	13	13	4	3	240 lbs.	21.50
H 20	45 ft.	H 4	130 ft.	55 ft.	15	15	4	3	260 lbs.	23.00
H 21	50 ft.	H 4	140 ft.	60 ft.	17	17	4	3	280 lbs.	24.50
H 22	55 ft.	H 4	150 ft.	65 ft.	19	19	4	3	300 lbs.	26.00
H 23	60 ft.	H 4	160 ft.	70 ft.	21	21	4	3	320 lbs.	27.50
H 24	65 ft.	H 4	175 ft.	80 ft.	23	23	4	3	335 lbs.	29.00
H 25	70 ft.	H 4	180 ft.	90 ft.	25	25	4	3	350 lbs.	30.00

### COMPLETE STEEL TRACK HAY-SLING OUTFITS

Including all fittings necessary, with patent sling car that can be used from end or centre, and 3—6 foot slings with double angle steel track.—The sling car we supply with our outfit is a better car than agents sell for \$16.00, or twice our price. We have thousands of these hay outfits in use and guarantee them to be easily erected and give perfect satisfaction. Here are the prices complete.

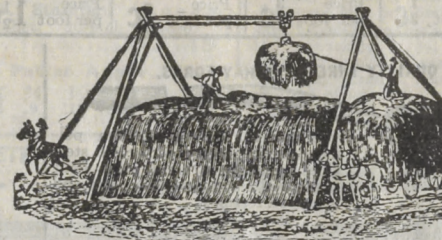
Cat- alog No.	Length of Barn	Manilla Rope $\frac{3}{8}$ inch	Check Rope $\frac{3}{8}$ inch	Hang- ing Hooks	Rafter Brac- kets	Floor Hooks	Knot Passing Pulleys	Weight	Price
H 17A	30 ft.	100 ft.	40 ft.	9	9	4	3	200 lbs.	\$31.50
H 18A	35 ft.	110 ft.	45 ft.	11	11	4	3	210 lbs.	33.50
H 19A	40 ft.	120 ft.	50 ft.	13	13	4	3	240 lbs.	34.50
H 20A	45 ft.	130 ft.	55 ft.	15	15	4	3	260 lbs.	36.00
H 21A	50 ft.	140 ft.	60 ft.	17	17	4	3	280 lbs.	37.50
H 22A	55 ft.	150 ft.	65 ft.	19	19	4	3	300 lbs.	39.00
H 23A	60 ft.	160 ft.	70 ft.	21	21	4	3	320 lbs.	41.50
H 24A	65 ft.	175 ft.	80 ft.	23	23	4	3	335 lbs.	43.00
H 25A	70 ft.	180 ft.	90 ft.	25	25	4	3	350 lbs.	45.00

### STEEL TRACK—HOW TO ERECT



Nail a rafter bracket at each end of your barn, and draw a line from one end to the other. Nail your other rafter brackets even with the line. You are now ready to put up the track. You can clamp it together on the ground, or raise and hang one section at a time. Place the stop, floor hooks and pulleys where wanted, and the job is done.

Field Stacking Outfit **\$22.50**



### FIFTY-FOOT CABLE OUTFIT

**H 26.** Outfit for 50-foot stack consists of: 150 ft.  $\frac{1}{2}$ -inch galvanized cable; 2 clamps, for making loops around end stakes; 2 shoulder clamps, to prevent posts working inward; 2 bolts, to screw parts together where they cross; 1 double harpoon fork; 3 knot-passing pulleys; 130 ft.  $\frac{3}{4}$ -inch manila rope, 50 ft.  $\frac{3}{8}$ -inch check rope; and 1 "Ideal" cable carrier. Price, \$22.50

For longer outfits than 50 feet, add 15c per foot for each additional foot wanted, and extra length of cable and rope will be sent.

### HAY-CARRIER WIRE CABLE

**H 27.** Our Hay-Carrier Cable is made up of seven strands of galvanized steel wire, tightly twisted together. It is full  $\frac{1}{2}$  inch in diameter, weighing 52 lbs. to the 100 feet, and has a breaking strain of 5 tons or 10,000 lbs. Price, per foot, 6c.;  $\frac{3}{8}$ -inch guy wire, per foot, 4c



### Steel Frame, Knot-Passing Pulley

**H 16.** Steel Frame, Knot-Passing Pulley. They have large, hollow pin, self-oiling, 6-inch maple sheave, and are especially adapted to reversible carriers. Weight,  $3\frac{3}{4}$  lbs. Price, each, 30c.



# Pure Manila Rope

Guaranteed all Pure Manila, no jute or sisal mixed with it, and absolutely the highest grade rope it is possible to produce. For hay carriers it is unexcelled.

Manila rope is never measured exact diameter, one-third of the circumference being considered the diameter. Can furnish in one piece any length up to 1,200 feet. State size wanted.

## No. H 60

$\frac{1}{4}$ -INCH	5-16-INCH	$\frac{3}{8}$ -INCH	$\frac{1}{2}$ -INCH	$\frac{5}{8}$ -INCH	$\frac{3}{4}$ -INCH	$\frac{7}{8}$ -INCH	1-INCH	1 $\frac{1}{8}$ -INCH	1 $\frac{1}{4}$ -INCH
Price 1c per foot, 2c	Price 3c per foot 4c	Price 3c per foot 4c	Price 1 $\frac{1}{2}$ c per foot	Price 2c per foot	Price 3c per foot	Price 4c per foot	Price 6c per foot	Price 8c per foot	Price 9c per foot

### EXTRA QUALITY THREE-TINE HAY FORKS.



No. H 61. Three 12-inch polished spring tempered oval tines, selected straight grain bent hardwood handles, capped and strapped ferrules

Length handles, feet.....	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$
Price, each.....	55c	55c	60c

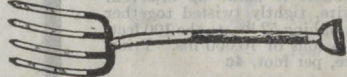
### EXTRA QUALITY D HANDLE MANURE FORKS.



No. H 62. Best quality. Have 12-inch polished spring tempered oval steel tines, selected bent hardwood handles, malleable D heads, hardwood grips, capped and strapped ferrules.

Number of tines.....	4	5	6
Price, each.....	80c	\$1.00	\$1.20

### SOLID STEEL SPADING FORK.

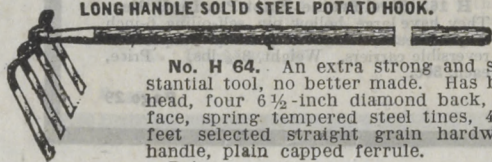


Tempered Diamond Black Steel Tines, selected D handles. Extra strong and heavy.

No. H 66. Strapped ferrule.

as illustrated, polished tines. Price.....95c.

### LONG HANDLE SOLID STEEL POTATO HOOK.



No. H 64. An extra strong and substantial tool, no better made. Has bent head, four 6 $\frac{1}{2}$ -inch diamond back, flat face, spring tempered steel tines, 4 $\frac{1}{2}$ -feet selected straight grain hardwood handle, plain capped ferrule.

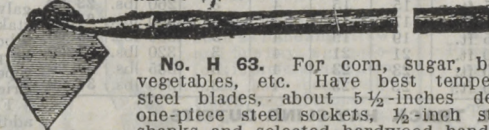
Price.....60c



### TESTED CABLE LOG CHAINS.

No. H 65. First quality chains, fitted with hooks and swivels and in the regular standard length for loggers' use. These log chains are made up of our tested coil chain, with heavy grab hook on one end, large round hook on other end and swivel in center. They are finished natural color, warranted full size and every one is carefully inspected and tested as to strength before leaving the factory. Length 5-16 x 14 feet, weight 18 lb. Price \$1.35. 3-8 x 16 feet, weight 24 lbs. Price \$1.75.

### HEAVY SOLID SOCKET FIELD HOES.



No. H 63. For corn, sugar, beet, vegetables, etc. Have best tempered steel blades, about 5 $\frac{1}{2}$ -inches deep, one-piece steel sockets,  $\frac{1}{2}$ -inch steel shanks and selected hardwood handles. 7-in. Price, 45c. 8-in. Price, 50c.

### Invincible D Handle Round Point Shovel.

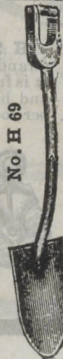
No. H 69. Plain black, solid steel, full polished, selected handle. Size 9 x 11 $\frac{1}{2}$ -inches.

Price.....65c

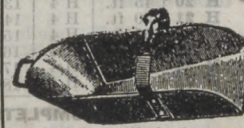
### Solid Steel Grain Scoop.

No. H 67. Extra wide mouth. For handling grain, sawdust, coal or snow. Best steel, full polished blades, selected handle.

No.	Length Blade	Price
6	16 $\frac{1}{2}$ -in.	85c
8	17 $\frac{1}{2}$ -in.	1.10
10	19-in.	1.25

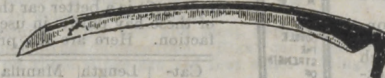


Manitoba Grain Scoop. Made of heavy steel with swinging handle; strong and durable



Half Bushel Size,

80c



Grass Scythe, Long, and made of best steel. Each.....75c  
Handles for Scythes.....75c

Cast Steel Grub Hoes. 4-inches wide, 11 $\frac{1}{2}$  inches long...40c

Long Cutter Mattocks. 3-inch cutter, 4-inch hoe.....50c

No. Best Quality Picks...40c

Best Hickory Handles. 36 inches long, for grub hoes, mattocks and picks. Each.....25c

1.35



### Safety Automatic Swivel Hoists

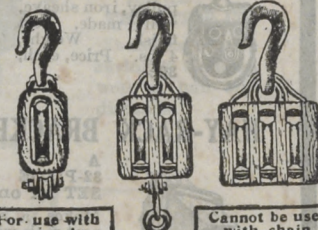
Powerful and safe; hoists, lowers, locks and unlocks without the bother of a trip rope. Can be used in any position. Made of best malleable iron. All sizes have double lower blocks. Prices quoted do not include rope.

No. 1—Takes  $\frac{1}{4}$ -in. rope; capacity, 1,000 lbs.; weight, 5 lbs. Price, 1.35 without rope...

No. 2—Takes  $\frac{1}{4}$ -in. rope; capacity, 1,500 lbs.; weight, 10 lbs. Price, 2.50 without rope...

No. 3—Takes  $\frac{1}{4}$ -in. rope; capacity, 2,500 lbs.; weight, 25 lbs. Price, 3.50 without rope...

### REGULAR IRON STRAPPED WOOD TACKLE BLOCKS.



For use with rope only

Cannot be used with chain

Standard goods, full size and full strength, no better blocks sold by anyone. Iron strap with iron sheaves and steel pins. Strap extends below the pins, making them extra strong. Edges are rounded, preventing wear on the rope. Quality considered, you save at least one-third when you buy your tackle from us. Blocks with or without becket same price.

When two blocks are ordered for a set, one should be with becket and the other without

### No. H 76.

Size of Shell	For Rope	Single Pulley	Double Pulley	Triple Pulley
inches	inches	Price	Price	Price
4	$\frac{1}{2}$	.30	.45	.75
5	$\frac{3}{8}$	.35	.65	.85
6	$\frac{3}{4}$	.45	.75	1.10
7	$\frac{7}{8}$	.55	1.00	1.35
8	1	.75	1.25	1.65
10	1 $\frac{1}{2}$	1.25	1.85	2.50

For Steel Strapped Metal Tackle Blocks add 10c



## QUALITY HARDWARE

Hardware with quality back of it is the only kind listed in this catalogue. Under no consideration will we knowingly catalogue articles that are inferior in any way, either from the standpoint of quality or finish. Collected in this mammoth Hardware Store from many of the world's largest manufacturers is a stock of Hardware that we absolutely guarantee to be of the very highest quality. No one can furnish you with better goods than we can, we care not what you pay, but you can pay considerably more than our low prices and obtain goods not the equal in quality of the ones listed in our Catalogue. The ideal combination—lowest prices and highest quality are embodied in our Hardware Department.

### SPRINGFIELD HAND SAWS

\$1.75

26 Inch  
Size  
Clean Cut



No. H420. Manufactured of best grade of crucible saw steel, ground nearly three gauges thinner on back, and carefully smithed and blocked. Has varnished hardwood handle, four improved screws and hollow back. It is full level, hand filed, hand set and fully warranted. State length and number of points wanted.

18-Inch Panel, 9, 10, 11 or 12 points to inch. Wt., about 1 lb. Price.....	1.40
20-Inch Panel, 9, 10, 11 or 12 points to inch. Wt., about 1 lb. Price.....	1.50
22-Inch Panel, 9, 10, 11 or 12 points to inch. Wt., about 1 1/2 lbs. Price.....	1.60
24-Inch Panel, 7, 8, 9, 10, 11 or 12 points to inch. Wt., about 1 1/2 lbs. Price.....	1.65
26-Inch Hand, 6, 7, 8, 9, 10, 11 or 12 points to inch. Wt., about 2 lbs. Price.....	1.75
26-Inch Rip, 5, 5 1/2 or 6 points to inch. Wt., about 2 lbs. Price.....	1.80

### ODD JOBS HAND SAWS

\$1.00

26-inch size



on, is set and sharpened ready for use and is warranted to give satisfactory service. Odd Jobs saws are furnished only in points as listed below. State length and number of points wanted.

20-Inch Panel, 9, 10 or 12 points to the inch. Wt., about 1 1/4 lbs. Price.....	.80
24-Inch Hand, 7, 8, 9 or 10 points to the inch. Wt., about 1 1/2 lbs. Price.....	.90
26-Inch Hand, 7, 8, 9 or 10 points to the inch. Wt., about 1 1/2 lbs. Price.....	1.00
26-Inch Rip, 5, 5 1/2 or 6 points to the inch. Wt., about 2 lbs. Price.....	1.10

### SOCKET FIRMER CHISELS



No. H422. Socket Firmer Chisels. Warranted best cast steel, with handles.

Ins.	3/4	3/8	1/2	5/8	3/4
Each	.25	.25	.30	.35	.40
Ins.	3/4	1	1 1/4	1 1/2	1 3/4
Each	.40	.45	.50	.55	.60



No. H423. Solid Center Standard Quality Auger Bits. Commonly known as the Irwin pattern.

Size, inch	1/4	5-16	3/8	7-16	1/2	9-16	5/8
Price, each	.15	.17	.18	.20	.22	.24	.25
Size, inch	11-16	3/4	13-16	7/8	15-16	1	
Price, each	.27	.30	.34	.35	.37	.40	



Bell Face Nail Hammer.



High Grade		
Lbs.....	1	1 1/2
Price.....	.70	.75
Standard Grade		
Lbs.....	1	1 1/2
Price.....	.50	.60
Common Cast Steel		
1 lb. Each.....		.35

### HATCHETS

Shingling Hatchet with 3 1/2 inch face.....	.40
Claw Hatchet, with 3 1/2 inch face.....	.45
Lath Hatchet with 2 1/2 inch face.....	.50

## Satisfaction Guaranteed or Money Refunded

Every article listed in this catalogue is sold on a guarantee of satisfaction or money refunded. If for any reason whatever you are not satisfied with any article purchased from us we want you to return it at our expense, and your money will be cheerfully refunded. The Judson Guarantee means everything that the word guarantee implies. We stand behind every article that we put out and it must be satisfactory. Under no consideration do we wish any purchaser of merchandise from our House to be dissatisfied in any way.

### PLANES—IRON AND WOOD



No. 35. Wood Smooth Plane, 8 1/2 long, 2-inch cutter.....	1.35
No. 27. Wood Jack Plane, 15x2 1/4-in. cutter.....	1.60
No. 29. Wood Fore Plane, 20x2 3/4-in. cutter.....	1.85
No. 2. Iron Block Plane, 7 1/4 x 1 1/2-in. cutter.....	.35
No. H426. Iron Bench Planes, corrugated bottom.....	2.00
No. 4C. Smooth Plane, 9x2-inch cutter.....	2.50
No. 5C. Jack Plane, 14x2-inch cutter.....	3.00
No. 6C. Fore Plane, 18x2 3/4-inch cutter.....	3.85
No. 8C. Jointer Plane, 24x2 3/4-inch cutter.....	

45c.



85c.  
Nickel  
Plated

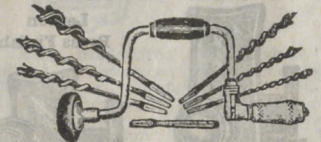
No. H429. The best low priced Ratchet Brace on the market, nickel plated, heavy and strong for ordinary use. Head and handle stained. 7-16-inch steel sweep, hardened jaws, improved ratchet. 10-inch sweep only. The best and most convenient size for general use. Weight, about 2 pounds. Price..... .85

No. H429A. Standard Brace without ratchet, 10-inch sweep. Price..... .45

Jenning's Patter Auger Bits

Sizes, inch	1/4	3/8	1/2	5/8	3/4	1
Price, each	.8	.9	.10	.13	.15	.20

### BRACE AND BIT SET



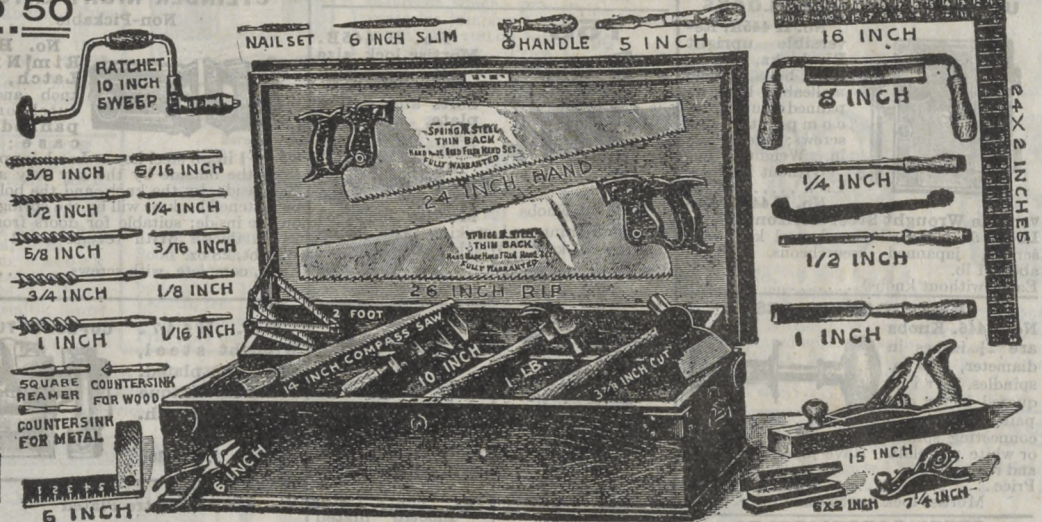
No. H428. Set consists of a high grade nickel plated 10-inch sweep, ring Ratchet Brace, six solid center stem Auger Bits, and screw driver bit.

The 6 Auger Bits are Jennings' Pattern, full polished, and are fast cutting, clear easily, and bore smoothly; one each 1/4, 3/8, 1/2, 5/8, 3/4 and 1 inch auger bit, also a screw driver bit. All high grade, first quality tools. Weight of set, 4 1/2 lbs. Regular \$2.50 value. Per set complete..... \$1.95

\$12.50

### FOR CHAMPION TOOL OUTFIT COMPLETE

Regular  
Retail Price  
\$16.00



### A BIG ASSORTMENT OF HIGH GRADE TOOLS

Every tool included in this Champion Outfit is first class, selected from our regular stock and fully guaranteed. The Chest we furnish with our Champion Outfit is made of hardwood, nicely finished, has strong, substantial lock and hinges. Shipping weight, about 85 pounds.

No. H427. Price, complete, with chest..... \$12.50

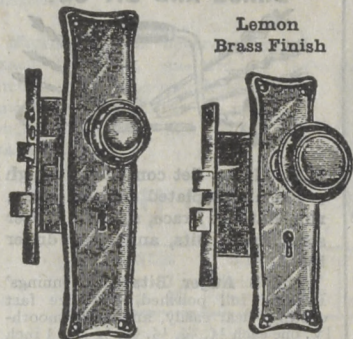


# High Grade Builders' Hardware—Money Saving Prices

Look where you will we do not believe you will find a neater, more stylish or more durable line of Builders' Hardware than is shown in this book. The lock set patterns shown on this page are the latest style and are the product of one of the world's largest manufacturers in High Grade Builders' Hardware. The quality is of the highest standard and if you order Building Hardware from us you do so with the assurance of complete satisfaction or money refunded. We do not believe you can duplicate our low prices from any house in the country

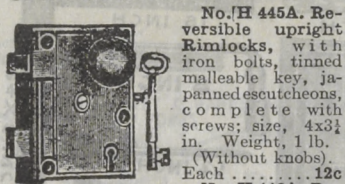
**LOW PRICES** The most convincing argument that we can offer you of our ability to save you money on Builders' Hardware is to ask you to compare the low prices we quote with those asked by your local dealer. Not only will you find that our prices are lower by from 20 to 50 per cent, but we give you a much larger stock from which to make selections and in addition the latest patterns. We buy direct from the Manufacturer in large quantities and offer the goods to you with but one small profit added.

## STRATFORD DESIGN



**No. H 440. Front Door Set.** Wt., about 3½ lbs. Price, complete.....\$1.85  
**No. H 440A. Inside Door Set.** Wt., about 2½ lbs. Price, complete.....75c  
**No. H 440B. Door Bell to match.** Wt., about 1 lb.....45c

## UPRIGHT RIM KNOB LOCKS



**No. H 445A. Reversible upright Rimlocks,** with iron bolts, tinned malleable key, japanned escutcheons, complete with screws; size, 4x3½ in. Weight, 1 lb. (Without knobs). Each.....12c  
**No. H 446A. Reversible Wrought Steel Horizontal Rim Lock,** 5x3½, nickel plated steel key, with screws, japanned escutcheons. Weight, about 1 lb. Each (without knobs).....30c

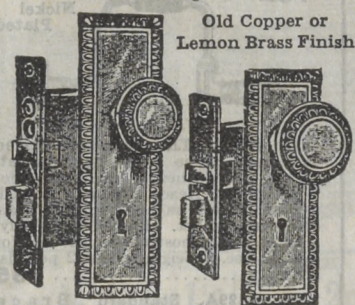
## RIM DOOR KNOBS

**No. H 446. Knobs** are 2½ inches in diameter, 5-16 in. spindles. Price quoted is for one pair knobs with connecting spindle. Knobs are jet black or white porcelain. Have japanned shanks and roses. Price.....10c  
 Mortise lock knobs same price.

## STEEL BARREL BOLTS

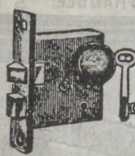
**No. H 448. Steel PLATED BARREL BOLTS,** plate, unbreakable, japanned brass knob, with common staple. Price. 3 in.....10c each  
 4 in.....12c each  
 6 in.....15c each

## EMERALD DESIGN



**No. H 441. Front Door Set.** Wt., about 3½ lbs. Price, complete.....\$1.70  
**No. H 441A. Inside Door Set.** Wt., about 2 lbs. Price, complete.....60c  
**No. H 441B. Door Bell to match.** Wt., about 1 lb.....45c

15c



**No. H 445B. Mortise lock,** size 3½x3½ in., with polished iron front, bolts and strike-plate, with steel key. Weight, 1 lb. Each.....15c  
**No. H 445C. Reversible Wrought Steel Mortise Lock,** 3½x3, brass front and striking plate, nickel plated steel key. Weight, 12 oz. Each (without knobs).....30c

## SASH LIFTS



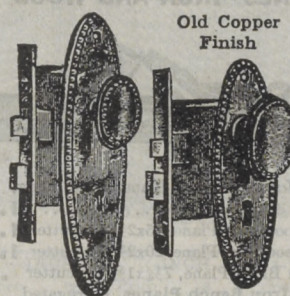
With screws to match. Weight 10 oz. per dozen.  
 Finish wrought Steel antique copper finish. Per dozen.....20c  
 Lemon brass finish. Per dozen.....20c

## BAR SASH LIFTS



Electro plated wrought steel. Polished Antique Copper Finish. Length handle, 3 in., 4½ in. over all. Wt., 4 oz. Each.....6c

## REGAL DESIGN



**No. H 442. Front Door Set.** Wt., about 3½ lbs. Price, complete.....\$1.75  
**No. H 442A. Inside Door Set.** Wt., about 2 lbs. Price, complete.....50c  
**No. H 442B. Door Bell to match.** Wt., about 1½ lbs.....45c

## CYLINDER NIGHT LATCH Non-Pickable



**No. H 445D. Rim Night Latch,** brass knob and escutcheon, japanned iron case; size 3½x2½ in., 3 steel keys. Latch is operated from the outside by the key only and on the inside by the knob, and the bolt may be fastened back at will by the spring catch on the inside; suitable for doors from 1 to 2½ in. thick. With reverse bevel strike. Weight, 28 oz. Each, complete, with screws.....\$1.35

## No. H 447. CUPBOARD TURNS.

Wrought steel, electro plated. Polished Antique Copper Finish. Wt., about 2 oz. Each.....20c



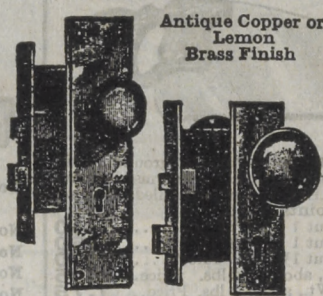
## Electro Plated



COAT AND HAT HOOKS.

**No. H 447A. Antique Copper Polished Finish.** Length, 3½ in. Wt., about 2 oz. Each.....5c

## GARRY DESIGN



**No. H 443. Front Door Set.** Wt., about 3½ lbs. Price, complete.....\$1.40  
**No. H 443A. Inside Door Set.** Wt., about 2 lbs. Price, complete.....40c  
**No. H 443B. Door Bell to match.** Wt., about 1½ lbs. Price.....45c

## TUBULAR RIM NIGHT LATCH



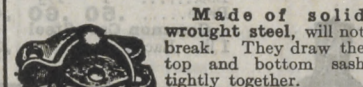
**No. H 445D. Japanned case,** 3 x 2 in. For doors up to 1½ in. thick. Price.....30c

## DOOR BELL

**No. H 443D. Has 3½-inch nickel plated steel gong and 3½x1½-inch electro plated antique copper finished turn-plate.** Wt., 14 oz. Price, complete.....35c



## WROUGHT STEEL SASH LOCKS



Made of solid wrought steel, will not break. They draw the top and bottom sash tightly together.  
 Wrought Steel, antique copper finish.  
 Per dozen.....80c  
 Wrought Steel, lemon finish. Per dozen.....80c

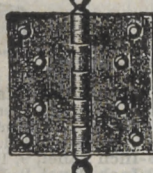
## JAPANNED DOOR BUTTONS

Length, 2 inches, with screws. Per dozen.....10c



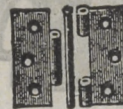
## HIGH GRADE ELECTRO PLATED POLISHED WROUGHT STEEL BALL TIPPED LOOSE PIN BUTTS

Guaranteed to be the best finished wrought steel butts manufactured. Heavy, highly polished and finely finished. Furnished with screws to match.



**No. 4C3501. Antique copper polished finish.**  
 Inch.....2½x2½ 3x3 3½x3½ 4x4  
 Per pair.....\$0.15 \$0.17 \$0.19 \$0.23  
**No. 4C3503. Old or Lemon Brass Finish.**  
 Inch.....2½x2½ 3x3 3½x3½ 4x4  
 Per pair.....\$0.16 \$0.18 \$0.20 \$0.25

## WROUGHT STEEL LOOSE PIN BUTTS



**No. 4S3504. Heavy pattern,** plain finish, without screws.  
 Size, inches.....3x3 3½x3½ 4x4  
 Takes screws No.....9 10 11  
 Per pair.....7c 9c 12c

## No. 4C3780. Are easily applied and permit sash to be swung out from the bottom for ventilation. Asst consists of 1 pair top hangers and 2 side fasteners for one window, with screws, Japanned Steel. Wt., 10 oz. set. Per set.....25c

## HANGERS AND FASTENERS FOR STORM SASH AND SCREENS



Per dozen sets.....\$2.50

## STEEL THUMB LATCHES

Made entirely of wrought steel, japanned; UNBREAKABLE. With screws.

Length of handle, 6½ in. Each.....10c  
 Length of handle, 7½ in. Each.....15c

## GATE HOOKS AND EYES

**No. H 449. Bright Iron Wire Gate Hooks and Eyes.** Weight, 2 to 3 ounces.

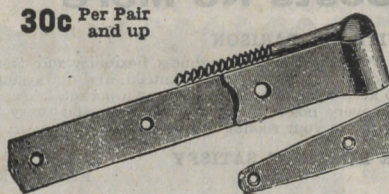


Size, in.....2½ 3 3½ 4  
 Per dozen.....8c 10c 12c 15c



## WROUGHT STEEL STRAP AND T HINGES.

## OUR PRICES SAVE YOU MONEY.

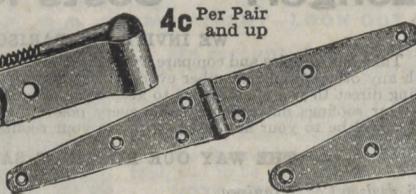
30c Per Pair  
and up

No. 9N47861

**No. 9N47861. Wrought Steel Screw Strap Hinges.** Requires two 1/2-inch and four 5-16-inch bolts to put them on. Bolts not included.

Size, in..... 10 12 14 18  
Wt., per pair, lbs..... 4 1/2 5 6 10

Price per pair. 30c 35c 40c 50c

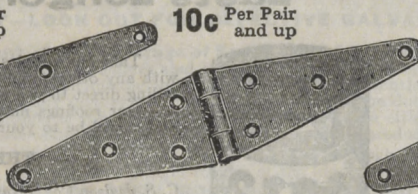
4c Per Pair  
and up

No. 9N47855

**No. 9N47855. Light Wrought Steel Strap Hinges.** Size given is measurement from joint to end of hinge

Size, inches.... 3 4 5 6  
Takes screws No. 6 7 8 9  
Wt., per pair, oz. 3 4 8 12

Price per pair... 4c 5c 6c 7c

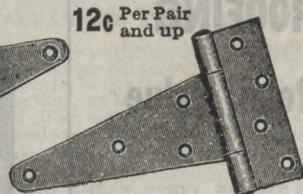
10c Per Pair  
and up

No. 9N47857

**No. 9N47857. Heavy Wrought Steel Strap Hinges.** Size given is length from joint to end of hinge.

Size, inches. 6 8 10 12 14  
Takes screws No..... 10 12 12 14 16  
Wt., per pair, lbs..... 1 1/2 2 1/2 4 6 8 1/2

Price per pr. 10c 20c 25c 35c 45c

12c Per Pair  
and up

No. 9N47853

**No. 9N47853. Extra Heavy Wrought Steel T Hinges.** Compare these prices with the prices of other dealers. Size given is measurement from joint to end of hinge.

Without screws. Size, inches. 6 8 10 12 14  
Takes screws No..... 9 10 10 12 12  
Wt., per pair, lbs 2 3 4 1/2 6 6 1/2

Price, per pair... 12c 20c 25c 35c 45c

4c Per Pair  
and up

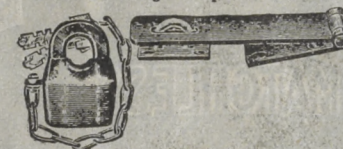
No. 9N47851

**No. 9N47851. Light Wrought Steel T Hinges.** Standard goods. At these low prices you save on every size. Size given is measurement from joint to end of hinge.

Without screws. Size, inches.... 3 4 6 8  
Takes screws No. 6 7 8 9  
Wt., per pair, oz. 4 6 10 16

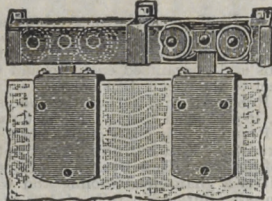
Price, per pair... 4c 5c 7c 8c

## Protection Hinge Hasp and Padlock.



Hasp made from heavy steel, simple, strong and effective, screws concealed when hasp is locked. Complete with screws. Padlock is practically indestructible malleable iron case, heavy steel shackle. The best safety combination ever offered. Weight, about 1 1/2 lbs.

**No. 9R48984. Hasp, size 4 1/2-inch.** Price, complete with padlock and chain... 60c  
**No. 9R48985. Hasp, size 6-inch.** Price, complete with padlock and chain... 65c  
**Hasp only, size 4 1/2-inch.** Price..... 12c  
**Hasp only, size 6-inch.** Price..... 15c  
**Padlock only.** Price..... 60c

Regular  
Retail Value  
**\$3.25**Our  
Price  
**\$1.85**Trolley Roller Bearing Steel Barn Door Hangers **\$1.85**

**No. 9N48829. Waterproof and jumptproof.** Suitable for doors weighing up to 400 pounds and from 1 1/2 to 2 1/2 inches thick. Set consists of two hangers, two end brackets, one center bracket and the necessary bolts and screws. Weight, 10 pounds.

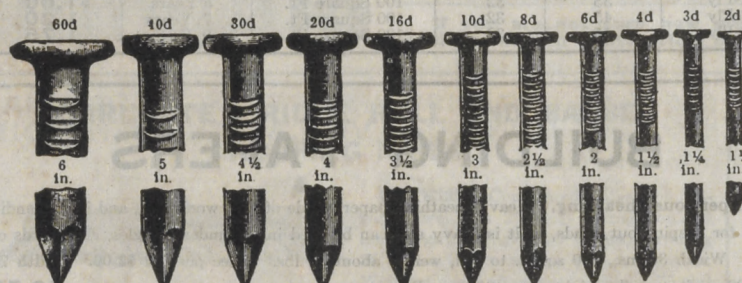
Price, per set complete, without track..... \$1.85

**No. 9N48831. Trolley track for hangers above.** Price does not include brackets. Weight, per foot, 1 1/2 pounds.

Length, feet..... 8 10

Price, per length..... \$1.00 \$1.20

**No. 9N48833. Center track Brackets for Trolley Track.** Wrought steel, japanned. Center brackets should not be more than 3 feet apart. Weight, 12 ounces. Price includes lag screw for attaching. Price, each..... 15c



## WIRE NAILS. THESE MONEY SAVING PRICES ARE FOR OUR CUSTOMERS ONLY—THOSE WHO BUY OTHER SUPPLIES FROM US AS WELL AS NAILS

Prices on nails are always subject to market changes, but we do not look for any advances on them during the life of this catalogue. Send us your orders; if nails have gone down we will give you the advantage of the lower price. We do not sell less than a keg of a size at the keg price. A keg of nails contains 100 pounds. Wt., per keg, about 107 lbs.

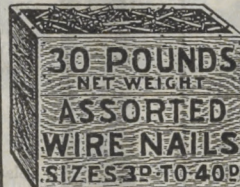
Size..... 2d 3d 4d 6d 8d 10d 12d 16d 20d 30d 40d 60d  
**No. 9R48622. Price, per keg \$3.75 \$3.45 \$3.20 \$3.15 \$3.00 \$3.00 \$2.90**

**2 1/2-in. Finishing Nails, \$3.50 per keg. 1 1/2-in. Blued Lath Nails, \$4.00 per keg.**

**\$1.15 FOR 30 POUNDS**

Strictly High Grade Assorted Wire Nails, all bright new goods, from our regular stock assorted sizes, 3d to 40d. Every blacksmith, farmer or workman of any kind who uses nails needs this assortment. Would cost you \$1.35 to \$1.50 in any regular store.

Wt., about 35 lbs. Price, box **\$1.15**



## RUN EASY BARN DOOR HANGER

**No. 9N48845. A strong serviceable hanger, fitted with a galvanized axle to prevent rust. Wheel is 3 1/2 inches in diameter and runs on hardened steel roller bearings. Hanger is fitted with safety attachment which prevents its jumping the track. Will run on No. 9N48861 track. Price pair..... \$0.50**

## Standard Barn Door Track.

Screws and bolts not included.



**No. 9N48861. Made of round edge steel, solid and strong; will carry any ordinary door. Size, 3-16x1-inch. To attach requires two 1-inch bolts or No. 12 screws to each foot.**

Length, feet..... 4 6 8 10  
Weight, pounds..... 3 5 6 8  
Price, per length..... 20c 35c 50c 60c

**Wrought Steel Shelf Brackets.** Corrugated and stiffened. Finished in rust-proof baked enamel. Without screws.

Size, In.	Wt., per Pair, about	Per Pair
4x5	1 lb.	5c
6x8	1 lb.	10c
7x9	1 lb.	12c
8x10	1 lb.	15c
10x12	1 1/2 lb.	20c
12x14	1 1/2 lb.	25c



**No. 9N48973. Wrought Steel**  
Length, inches.... 6 8 10  
Price..... 5c 6c 7c

**10c each**



**No. 45X. With screws.**  
Length, inches... 3 4 1/2 6  
Price, each..... 5c 7c 10c



**No. 9N49043. Case and shackle made of high heavy brass plated iron; brass plated inside and out. Width, 2 1/2 in; height, 2 1/2 in. Price... 25c**

**No. 9N49005. Solid wrought steel, made of high heavy brass plated iron; brass plated inside and out. Width, 2 1/2 in; height, 2 1/2 in. Price... 40c**

**No. 9N49039. Cast brass case, phosphor bronze springs, brass works. Width, 2 1/2 in; height, 3 in. Weight, 9 oz. Price... 65c**

## 25 CENTS PER GROSS

Well assorted Flat Head Bright Iron Wood Screws, 1/2, 3/4, 1, 1 1/4, and 1 1/2 inches long.

**No. 9R48550. All bright new goods; selected from our regular stock. Weight, about 12 ounces.**

Price, per gross (144 screws)..... 22c

Size screws	6	7	8	9	10	12
Length.....	1/2	3/4	1	1 1/4	1 1/2	1 3/4
Price, per gross box.....	15c	17c	18c	22c	25c	30c



## MATCHLESS TRINIDAD ASPHALT ROOFING

**\$2.75 Retail Value**

**Our Price**

**\$1.65**  
**Per Roll**

There is no better Roofing Made than Matchless. Thousands of people will tell you it has never failed to satisfy. We are the only Mail Order House in Canada that can sell you a roofing made of Trinidad Lake Asphalt. Contractors always specify Trinidad Lake Asphalt Roofings; they know it is the best, yet we sell you this high-grade quality roofing at prices below the price of ordinary short wool felt roofings. We are quoting special prices of **\$1.65** for 1-Ply, **\$2.00** for 2-Ply and **\$2.40** for 3-Ply.

Each roll is packed complete with large head galvanized roofing nails, and the necessary liquid cement for cementing the laps, and full directions how to apply. Roll contains 108 square feet. Width of roofing, 32 inches. Made in three different weights, all the same high quality exactly, the difference being only in the thickness and weight.—1-Ply and 2-Ply furnished in double rolls of 216 square feet if desired.



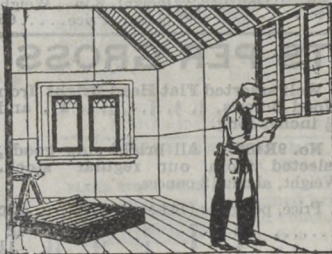
Catalog No.	Thickness	Weight Pounds	Width, Inches	Will Cover	Guaranteed to Wear	Price
R-301	1-Ply	40	32	100 Square Feet	6 Years	<b>\$1.65</b>
R-302	2-Ply	50	32	100 Square Feet	9 Years	<b>2.00</b>
R-303	3-Ply	60	32	100 Square Feet	12 Years	<b>2.40</b>

## Peerless Wall Board

(Samples sent free on request)

Peerless Wall Board is a fibrous, moisture-proof board, in sheets of various lengths, that takes the place of lath and plaster. It may be painted, calcimined or wall papered with perfect success. It is the most practical wall lining made for new buildings or remodelling.

Size Sheet	Sq. ft. per Sheet	Price per Sheet
48 in. x 5 ft. ....	20	<b>\$0.55</b>
48 in. x 6 ft. ....	24	<b>0.60</b>
48 in. x 7 ft. ....	28	<b>0.75</b>
48 in. x 8 ft. ....	32	<b>0.85</b>
48 in. x 9 ft. ....	36	<b>0.95</b>
48 in. x 10 ft. ....	40	<b>1.05</b>



## Buy a Guaranteed Roofing Lasts Longer. Costs No More

**WE INVITE COMPARISON**

Take our samples and compare weight, thickness, toughness, flexibility and strength with any others, and remember every roll is absolutely guaranteed, and our system of selling direct to you enables you to keep a lot of profit in your own pocket.

Our roofings make good under every possible climatic condition and every test, and it will be to your advantage to place your roofing orders with us.

**THE WAY OUR ROOFINGS SATISFY**

Erickson, Man.

C. S. Judson Co., Winnipeg.

Dear Sirs:—In regard to the roofing I purchased from you, I must say it has given good service and satisfaction, and it is the equal of other roofings sold locally for nearly twice your price.

Yours truly,  
**GEO. ERICKSON.**



## Red "Star," Flint Surfaced, Asphalt Roofing

**\$2 Retail Value**

**Our Price \$1.00 Per Roll**

Our Red Star Flint Surface Asphalt Roofing, grade for grade and ply for ply is heavier than any other flint surface roofing. It is made of good felt, carefully treated with desirable and lasting compound, being acid proof, water proof, and weather proof. Makes a good roofing for ordinary jobs and guaranteed equal to and to give as good a surface as any other roofing sold direct to the user. It is absolute y free from animal oil and containing no tar. Red Star Roofing is flint surfaced on one side and rubber finished on the other side. However, if you wish to buy the best roofing made, we would advocate you buying Matchless Brand, as it is made of genuine Trinidad Asphalt, which is the best roofing compound known. **You cannot buy a better, stronger, or more durable flint surface roofing than Red Star elsewhere, even if you paid from \$3.00 to \$4.00 a roll.** It is a guaranteed roofing and we replace every roll of roofing that is not as represented. Put up in rolls of 108 sq. ft. Complete with large headed galvanized nails, cement, and directions for applying.

Catalog No.	Thickness	Weight, Pounds	Width, Inches	Will Cover	Guaranteed to wear	Price
R-201	1-Ply	35	32	100 Square Ft.	5 Years	<b>\$1.00</b>
R-202	2-Ply	45	32	100 Square Ft.	7 Years	<b>1.30</b>
R-203	3-Ply	55	32	100 Square Ft.	9 Years	<b>1.75</b>



## BUILDING PAPERS

**Impervious Sheathing.** Heavy sheathing paper, made of best wool fibre, and is a splendid article for keeping out winds, as it is heavy and can be used inside under shingles, clapboards or floors. Width 36 ins., 400 sq. ft. to roll, weight about 50 lbs. Price per roll **\$2.00**. Width 72 ins., 800 sq. ft. to roll, weight about 85 lbs. Price per roll ..... **\$3.75**

**Tarred Building Paper.** Put up in rolls 32 in. wide, 400 sq. ft., weight about 25 lbs. Price per roll 65c. No. 1 grade, per roll ..... **\$0.85**

**Plain Building Paper.** No. 2 grade, per roll 40c. No. 1 grade, per roll ..... **\$0.55**

**Blue Plaster Board.** This is a heavy blue paper, made from the best stock and used in place of plaster for walls and ceilings, also for panel and wainscoting. Put up in rolls 36 ins. wide. This paper can be painted or papered over with good results. Half roll, 250 sq. ft., 50 lbs. **\$1.60**



# EXTRA HEAVY STEEL ROOFING AND SIDING

IMPORTANT—LOOK OUT FOR DEFECTIVE GALVANIZED STEEL SHEETS—READ THIS

On account of the shortage of Spelter, which is used for galvanizing, owing to the fact that over 70% came from the countries in Europe that are at war, the price of Spelter advanced from 5 cts. a lb. to 47 cts. a lb. Galvanized Steel has been advancing in price for the last six months; in fact Galvanized Steel has advanced \$20.00 per ton, and when any factory or jobber offers galvanized products at lower prices than we are quoting, it is a sure sign something is wrong with their products; they are either using a lighter gauge or are selling seconds or defective sheets—and remember, the life of galvanized products depends upon the galvanized coating.

We Guarantee all our metal roofing to be free from rough spots, splits or defects, to be thoroughly galvanized, and to be the equal of any steel roofing of the kind made, or we will refund your money.

**NOTE—PRICES ON STEEL ROOFING, SIDING AND SHEET STEEL SUBJECT TO MARKET CHANGES.** If market prices go lower, customers will get the benefit of REDUCED PRICES. If higher we will advance only enough to cover part of advanced cost to us.

**A Metal Roof Lasts a Lifetime** and is the only **Real Fireproof and Lightning Proof** roofing sold. Corrugated Steel Roofing is far **Superior to Shingles**, as the corrugated sheets strengthen the roof and are also easier to apply. A hammer is the only tool required. The painted steel roofing will give excellent service, but we recommend the galvanized as it is rust-proof and stronger. A good way is to use galvanized sheets on the roof and painted sheets for the sides. We have sold carloads of steel roofing and have never had a sheet returned; prove our roofing quality is right.

## WE FURNISH TWO THICKNESSES AND TWO WIDTHS

When ordering, specify lengths of sheets wanted; also allow for side and end laps. Corrugated sheets are furnished in sheets which **actually measure 27½ inches wide, but have a covering width of only 24 inches on account of the side lap, with exception of 33 inch sheets, which have a covering width of 30 inches.** When ordering allow from 4 to 6 inches for end laps depending upon the pitch or slant of the roof. If used for siding, a 3-inch end lap is sufficient. When ordering by the square, be sure to order 109 square feet to cover 100 square feet, not including the end laps.

Painted Corrugated Steel Roofing, 27½ inches wide		Per 4-ft. Sheet	Per 5-ft. Sheet	Per 6-ft. Sheet	Per 8-ft. Sheet	Per 10-ft. Sheet	Wgt. Per Square	Price Per Square
No. 5x80—28 Gauge.....	30c		35c	42c	56c	70c	68 lbs	\$3.25
No. 5x81—26 Gauge.....	33c		38c	45c	60c	76c	83 lbs.	\$3.75
Galvanized Corrugated Steel Roofing, 27½ inches wide.		Per 4-ft. Sheet	Per 5-ft. Sheet	Per 6-ft. Sheet	Per 8-ft. Sheet	Per 10-ft. Sheet	Wgt. Per Square	Price Per Square
No. 5x82—28 Gauge.....	42c		52c	65c	85c	\$1.04	76 lbs.	\$4.75
No. 5x83—26 Gauge.....	46c		58c	71c	93c	\$1.15	86 lbs.	\$5.25
Galvanized Corrugated Steel Roofing, 33 inches wide.		Per 4-ft. Sheet	Per 5-ft. Sheet	Per 6-ft. Sheet	Per 8-ft. Sheet	Per 10-ft. Sheet	Wgt. Per Square	Price Per Square
No. 5x84—28 Gauge.....	55c		65c	78c	\$1.05	\$1.30	77 lbs.	\$4.80
No. 5x86—26 Gauge.....	60c		75c	85c	\$1.17	\$1.42	87 lbs.	\$5.30

If you are not sure how much steel you require send us a rough sketch of your building, we will quote prices delivered at your station.

## CORRUGATED RIDGE ROLL AND BARBED ROOFING NAILS



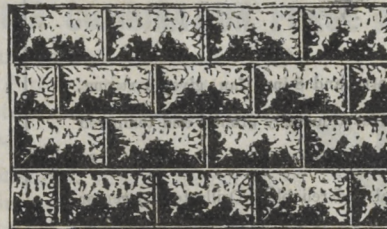
**No. R125.** Corrugated Ridge Roll, 28-gauge steel, fits 2½-inch corrugation, 14 inches girth, length 26 inches, covering 24 inches, when lapped one corrugation. Width of apron, 6 inches. Weight, 75 and

95 pounds per 100 feet.

Use our lead washers under the nail head when applying roofing, and allow 20 cts. for nails and washers to every \$5.00 worth of steel you order, which will be sufficient.

Galvanized Corrugated Ridge Roll (6-in. apron), per foot.....	12c
Galvanized Corrugated Hip finish (12-in. girth), per foot.....	10c
Painted Corrugated Ridge Roll (6-in. apron), per foot.....	7c
Barbed Roof Nails, 1½-in., per lb.....	9c.
Lead Washers, per lb.....	20c
18-in. Barn Ventilators, each.....	\$5.00

## ROCK FACED BRICK SIDING



Size of sheets, 24x48 inches. Made of best grade steel; easy to apply, and gives a splendid appearance. Suitable for sidings for houses, barns, store fronts. Prices include laps. The large sheets minimize joints, and are more satisfactory to use than the smaller sheets generally used. A square consists of

12½ sheets, or enough to cover a space of 100 square feet. Approximate weight: Painted, 61 lbs.; Galvanized, 75 lbs. per square.	
Rock Face Steel Siding	Price, per Sheet, Price, per Square,
24x48 inches	100 Square Feet
Painted red.....	27c \$3.25
Galvanized.....	38c \$4.75
Corner Stone for above, 7-inch face (Painted), per foot.....	10c
Corner Stone for above, 7-inch face (Galvanized), per foot.....	15c

## GALVANIZED STEEL EAVES TROUGH, CONDUCTOR PIPE AND FITTINGS

**Our Slip Joint Requires No Solder.** You do not have to be a tinner to use our Slip Joint Eaves Trough and Conductor Pipe. Anyone can use it; no soldering required.

**No. R150.** When ordering state whether right or left hand is wanted. Right hand means that the water is discharged at the right hand end of trough. Left hand that the water is discharged at the left hand end. The above illustration shows a right hand.

**Standard Weight, 28-Gauge.**

When ordering, always state whether right or left hand trough is wanted.

Size, inches.....	3½	4	5
Price, per 10-foot length.....	40c	45c	50c

## ADJUSTABLE OUTLET AND END CAPS

(A) Shows section of eave trough fitted with drop outlet and slip end cap. (B) Shows the slip end cap only.



With these fittings and our patent slip joint eave trough (See No. R150), anyone can easily put up trough and conductor pipe. No soldering necessary.

<b>No. L6.</b> Adjustable Outlet. To fit eave trough. Size, inches.....	3½	4	5
Fitted for Conductor, size, inches.....	2	2	3
Price, each.....	25c	35c	40c
<b>No. L7.</b> End Cap Slip Joint. To fit eave trough. Size, inches.....	3½	4	5
Price, each.....	10c	10c	10c

## OUTSIDE AND INSIDE CORNER MITERS



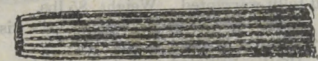
These Miters are made complete ready for use, for both inside and outside bead, slip joint. Be sure to state if wanted right or left hand.

**Standard Weight, 28-Gauge.**

<b>No. R153.</b> Inside Corner. Slip Joint. Right Hand.			
<b>No. R154.</b> Inside Corner. Slip Joint. Left Hand.			
<b>No. R155.</b> Outside Corner. Slip Joint. Right Hand.			
<b>No. R156.</b> Outside Corner. Slip Joint. Left Hand.			
Size, inches.....	3½	4	5
Price, Slip Joint, each.....	20c	25c	30c

## CONDUCTOR PIPE

Corrugated Conductor makes a stiff strong pipe, is easily put together and is most commonly used.



It will not burst when full of ice as the corrugations allow the pipe to expand. Made in **Standard Weight, 28-gauge.** Furnished only in 10-foot lengths. They are made to fit the following combinations:

<b>No. R160—</b> Size of Eaves trough, inches.....	3½	4	5
Size of Conductor, inches.....	2	3	4
Price, per 10-foot length.....	35c	45c	55c
<b>ELBOWS. No. R162.</b> Corrugated, Galvanized, Expanding.			
2-inch Elbows.....	15c	3-inch Elbows.....	15c
4-inch Elbows.....	20c		
<b>Wire Hooks</b> for hanging eave trough. Price, each.....	4c		



# Blacksmiths' Tools--Save Time and Money--Do Your Own Blacksmith Work

No farm is now complete in its equipment without having a set of reliable Blacksmith Tools. You can easily save enough in a short time to pay for a first-class Blacksmith's outfit, and a good outfit will last you a lifetime. Not only can you save money but time as well. Every farmer who does not possess a blacksmith outfit for doing his own repairing can no doubt recall many instances where during the busy season he has lost the use of an implement for a day until he could make a trip to town, where if he had had the proper blacksmith tools he could have repaired the implement himself in a few minutes time and thus have had full use of the implement and saved the time the trip to town consumed. During the busy farming season, time is valuable and if you can save time you are making money.

## HIGH CLASS BLACKSMITHS' OUTFITS

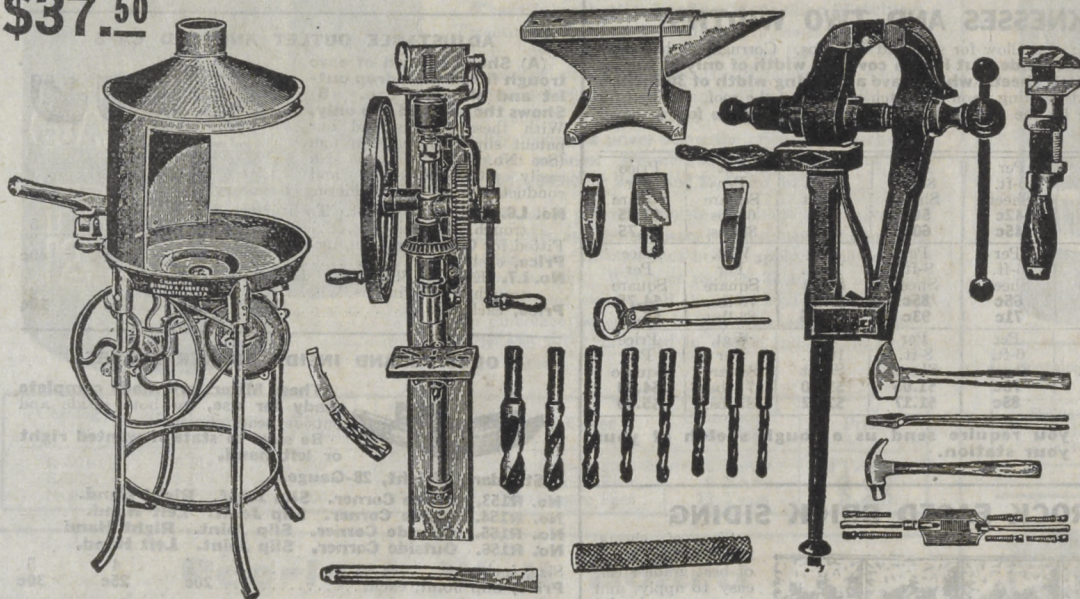
On this page we list complete Blacksmith outfits, each of them exceptionally good value for the money. The tools included in these outfits are high quality and are taken from our regular stock as shown on following pages. They are full size and serviceable tools; the products of some of the world's largest manufacturers and are fully guaranteed. You cannot buy better tools for the price, we care not what you pay, but you can pay considerably more than our prices and obtain inferior tools.

## ECLIPSE OUTFIT OF BLACKSMITHS' TOOLS

You save money on each item by buying a complete outfit. At \$37.50 this outfit represents more real value than you could obtain elsewhere for \$50.00.

Especially recommended for repair men, farmers and others who have use for a reliable outfit of blacksmiths' tools. Every item we put into this set is first class, fully guaranteed and will meet the requirements of any ordinary workman.

**\$37.50**



**Forge.** The forge is our "Invincible" type, it is operated with a lever, has 18½-inch hearth and 8-inch fan, gives a strong, steady blast. Weight, 95 lbs.

**Anvil.** Highest grade English wrought anvil, tool steel face, patent weld, very serviceable, accurately ground and tempered and fully warranted. Weight, 85 lbs.

**Vise.** A high-grade blacksmith's vise. Wrought iron, solid box, steel jaws, good size, very strong and durable. Weight, 35 to 40 lbs.

**Drill.** Self-feed post drill, double geared, standard make, thoroughly well made, practical and reliable. Drills to the center of 12-inch circle.

**Drill Bit.** Complete with eight round shank blacksmith's drills, one each of 7-32, 9-32, 11-32, 13-32, 15-32, 17-32, 21-32 and 25-32 inch. Note all our drill bits are 1-32 over size, which makes proper size hole for iron bolts to go through.

**Stock and Dies.** Very best quality, standard make. Cuts 5-16 to ½ inch, right hand, 10, 12 and 16 threads to the inch. A set includes 3 sets of taps and 3 dies.

We also furnish with our "Eclipse" outfit—one hot cutter, one cold cutter, one hardie to fit anvil, one farrier's knife, one cold chisel, one 14-inch rasp, one pair tongs, 20 ins., one hand hammer, 2½ lbs., one wrench, 10 ins. long, one pair farrier's pincers, 12 ins., one farrier's hammer, weight, 14 oz.

**No. H 30.** "Eclipse" outfit complete. Weight, 410 lbs. Price \$37.50

## CHALLENGE OUTFIT BLACKSMITHS' HIGH CLASS TOOLS \$22.00

Others would ask \$30.00 for an outfit not as good. Every tool selected from our regular stock and amply strong and heavy enough for all kinds of light and medium work. Quality not sacrificed in this outfit.

**ANVIL.** Has cast base with steel face and horn, warranted not to come apart. Weight, 50 lbs.

**FORGE.** Our Invincible Portable Lever Forge has 18½-inch hearth, 8-inch fan case, is 30 inches high and weighs about 80 lbs.

**DRILL.** Our horizontal Bench Drill has screw feed and chuck is bored for ½-inch round shank drills. Wt., 30 lbs.

**VISE.** Our Parallel Bench Vise with steel face and screw has 3-inch jaw and opens 4 inches. Wt., 13 lbs.

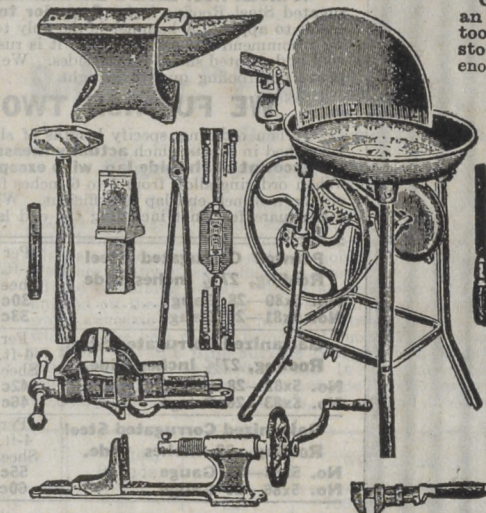
**STOCK AND DIES.** Cut ¼ to 3-16 inch, 14, 18 and 22 threads to the inch, six taps and three sets of dies.

**TONGS** are 20 inches long and drop forged.

**ONE WRENCH,** 8 inches.

**HAND HAMMER.** Made of solid cast steel, hickory handle. Wt., 2 lbs. (without handle). One 8-inch **MILL FILE** and handle. One **COLD CHISEL** ¼-inch and one ½-inch **HARDIE.** Every tool guaranteed perfect.

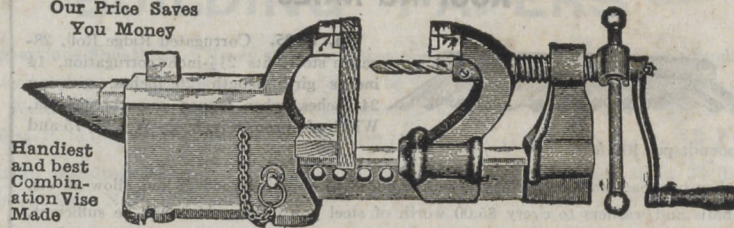
Complete Outfit. Weight, about 180 pounds. Price.....\$22.00



Complete Outfit. Weight, about 180 pounds. Price.....\$22.00

## \$4.25 OUR IMPROVED PERFECT COMBINATION DRILL, VISE, ANVIL AND HARDIE

Our Price Saves  
You Money



Handiest  
and best  
Combination  
Vise  
Made

**No. 9R5359.** The most practical combination ever offered at anything like the price. It can be converted from vise to drill instantly. It is strong, durable, and for all ordinary work will answer the purpose of half a dozen high priced tools. A heavy steel T beam is used for the slide or drawbar; jaws are faced with tool steel; top of anvil is case hardened and polished. Drill chuck is bored to take ½-inch round shank drill bits. Anvil is provided with good steel hardie. Wt., crated, about 52 lbs. Price, complete without drill bits.....\$4.25

For Drill Bits to fit the above, see page 38.



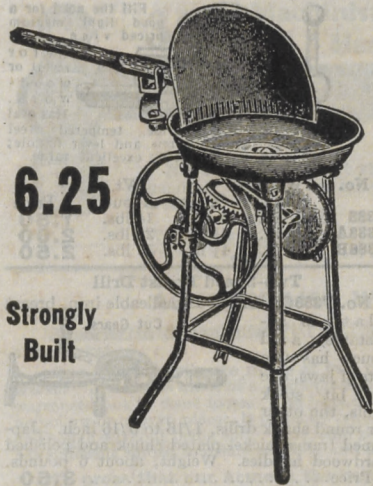
## INVINCIBLE FORGE

**Dimensions:** Forge stands 30 inches high, has 18-inch fire pan, 8-inch fan case. Wgt., crated, about 83 lbs.

**No. F371**—Price, with shield, as illustrated, \$6.25

**No. F372**—Same as above, except has full hood, made of heavy sheet steel. Weight, crated, about 93 lbs

Price.....\$7.50



**6.25**

**Strongly Built**

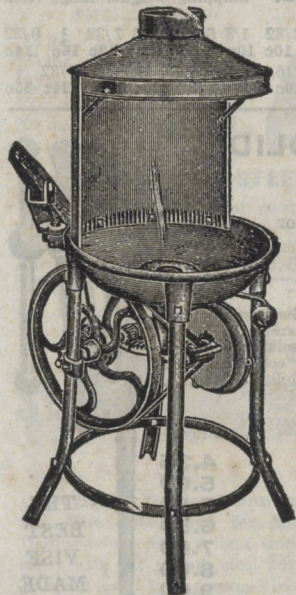
## DIRECT BLAST FORGE

**Especially adapted for the larger farm, contractors, bridge builders and repair shops.**

**Dimensions:** Height, 30 inches; diameter of hearth, 22 inches; diameter of fan case, 9½ inches. Weight, crated about 135 lbs.

**No. F373**—Price, with half hood, as illustrated.....\$10.50

**10.50**

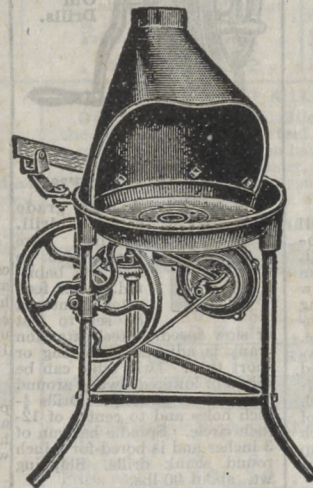


## See Page 40 for Good Plow Shares

**REGULAR 15.00 VALUE**

**8.50 WITH HOOD**

A strong, compact, well constructed forge, which we offer you at a decided bargain price. It will enable you to do most of your blacksmith work, produces a strong blast and is especially designed for the farmer and planter. Has a heavy cast iron hearth, 22 inches in diameter, with three tubular steel legs, which permits the forge to stand firmly on uneven ground. The legs are made of heavy wrought pipe braced at the bottom.



The ratchet lever motion is positive and simple, never slips and produces a strong blast with only a slow motion of the lever. Diameter of the fan case is 9-inches; height to top of hearth 32-inches.

The hood can be connected with a stove pipe making the forge suitable for indoor use. Weight of forge complete about 90-pounds.

**No. F374**—Forge, complete with hood.....\$8.50

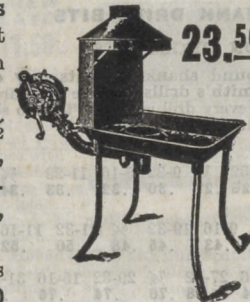
**Will pay for itself on any farm in a short time**

## PREMIER COMBINATION FORGE AND BLOWER

**Recommended for blacksmith's work.** Fitted with straight mill cut gears, steel shafts and composition bearings.

**Dimensions:** Size of hearth, 35½ x 24½ inches; diameter of fan case, 10 inches; height, about 30 inches. Weight, crated ready for shipment, about 180 lbs.

**No. F375**—Price, with half hood, as illustrated.....\$23.50



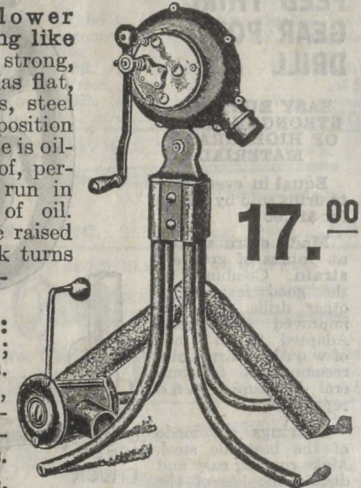
**23.50**

## TIGER BLOWER

No better blower made at anything like our price. Has strong, steady blast. Has flat, straight cut gears, steel shafts and composition bearings. Gear case is oil-tight and dustproof, permitting gears to run in continuous bath of oil. Blower case can be raised or lowered. Crank turns forward or backward.

**Dimensions:** Height, 43 inches; fan case, 11¼ ins. in diameter; fan, 8¾ inches in diameter. Weight, crated, about 115 lbs.

**No. F376**—Price, complete with piping and heavy anti-clinker tuyere, as illustrated.....\$17.00



**17.00**

**OUR PRICE 16.85**

## IMPROVED VULCAN FORGE

**Friction Clutch Gears Anti-Clinker Tuyere Heavy Strong Durable**



**Dimensions:** Height, 30 inches; hearth, 23 x 34 inches; fan case, 13 inches in diameter; weight, crated about 204 lbs.

**No. F377**—Price, with half hood, as illustrated, \$16.85



# ACME BALL BEARING SELF FEED THIRD GEAR POST DRILL

EASY RUNNING, STRONGLY MADE OF HIGH GRADE MATERIAL

Equal in every way to drills sold by others for \$15.00

Made extra strong at points of greatest strain. Combines all the good features of other drills with our improved third gear. Adapted to all kinds of work. Especially recommended for general blacksmith and repair shops.

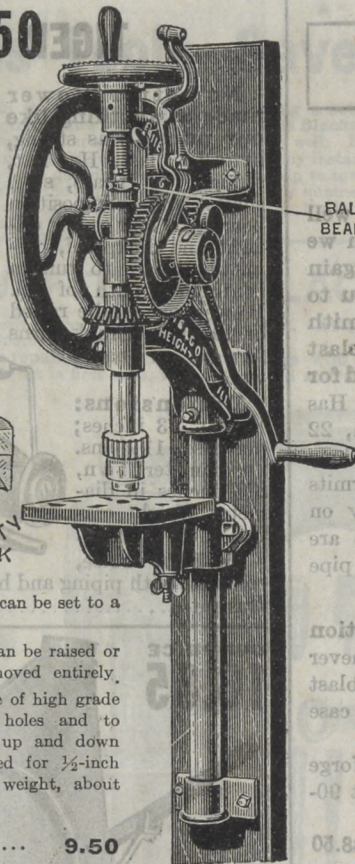
Bearings are made of the best die steel. Make running easy and double the life of the drill.

The Self Feed Attachment can be set to a fast or slow speed.

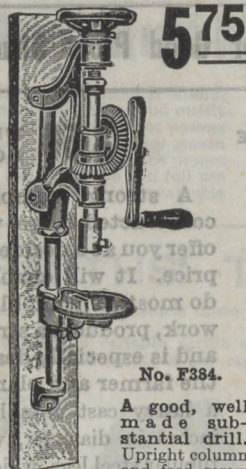
Drill Table is extra heavy, can be raised or lowered, swung around or removed entirely.

Shaft and Spindle are made of high grade steel. Drills up to 1 1/4-inch holes and to center of 15-inch circle. Has up and down run of 3 1/2 inches and is bored for 1/2-inch round shank drills. Shipping weight, about 120 pounds.

No. F380. Price..... 9.50



## Blacksmiths' Hand-Feed Post Drill



No. F384.

A good, well made substantial drill. Upright column and feed screw are made of steel. Has long bearings, which insure easy running. Crank is adjustable. Drill table can be raised or lowered, swung around or removed entirely. Drills holes up to 1-inch and to center of 12-inch circle. Drill spindle is made of 1-inch steel, bored for 1/2-inch round shank drill bits. Has up and down run of 3 inches. Shipping wt., about 60 lbs.

Price..... 5.75

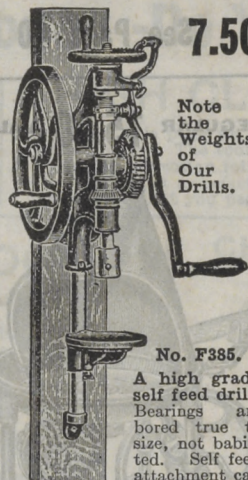
### HORIZONTAL BENCH DRILL

No. F3840. Strong and substantial, the best Horizontal Bench Drill made. For farm and light shop use. Drill spindle bored for 1/2-inch round shank drills.

Shipping weight, 23 pounds.  
Price..... 2.25



## Acme Two-Speed Self-Feed Post Drill



No. F385.

A high grade self feed drill. Bearings are bored true to size, not babitted. Self feed attachment can be set to fast or slow speed. Steel extension crank is adjustable to long or short turn. Drill table can be raised or lowered, swung around or removed entirely. Drills 1-inch holes and to center of 12-inch circle. Spindle has run of 3 inches and is bored for 1/2-inch round shank drills. Shipping wt., about 90 lbs.

Price..... 7.50

## ACME SPECIAL DRILL

FOR POWER AND HAND

12.00



Large, heavy, high class drill. An excellent value. Has steel upright column, drill spindle and feed screw, four long straight bearings that cannot spring or get out of line. Automatic self feeding device can be set fast or slow. Table can be raised or lowered, swung around or removed entirely. Spindle has run of 3 inches and is bored for 1/2-inch round shank drills. Drills up to 1 1/4-inch holes and to center of 15-inch circle.

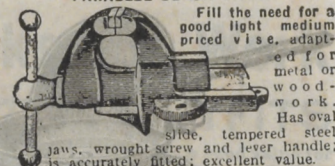
No. F386. With tight and loose pulleys, 8x2 inches. Has fly wheel and crank and can also be run by hand as well as power. Shipping weight, about 140 lbs.

Price..... 12.00

No. F387. For hand only. Shipping weight, about 180 pounds.

Price..... 9.50

## PARALLEL BENCH VISES.



No.	Width Jaws	Opens	Wt. About	Price
F388	3 in.	4 in.	14 lbs.	1.50
F388A	3 1/2 in.	4 1/2 in.	22 lbs.	2.00
F388B	4 in.	4 1/2 in.	30 lbs.	2.50

### Two-Speed Breast Drill

No. F388C. Frame is malleable iron, breast plate is adjustable and chuck has two sets of jaws, one for bit stock drills, the other for round shank drills, 1/16 to 5/16 inch. Japaned frame, nickel plated chuck and polished hardwood handles. Weight, about 6 pounds.

Price..... 3.50



## BITSTOCK DRILLS



To be used with any bit brace for cutting metals of all kinds, boring through wood, etc. Made from best steel, accurately ground to exact size and have solid steel shanks.

No. F388D. Shipping weights range from 1 to 4 oz.

Size, in. . 3/32	1/8	5/32	3/16	7/32	1/2	9/32
Price, ea.	10c	10c	9c	12c	12c	16c 14c
Size, in. . 5/16	11/32	3/8	13/32	7/16	15/32	1
Price, ea.	20c	17c	25c	20c	30c	24c 35c

## BLACKSMITHS' SOLID BOX VISE

We Sell You the 35 lb. Size For

\$4.35

Exceptionally well made with the highest grade steel jaws tempered for heavy work. Screws are extra heavy and strong. Threads accurately cut with solid thread box. We furnish this Vise with two loose screw collars to work on outside of jaws which prevents any possibility of binding. Absolutely guaranteed for any work.

No.	Weight	Width of Jaws	Price
F389A	35 lbs.	3 1/4 in.	4.35
F389B	40 lbs.	4 in.	5.00
F389C	45 lbs.	4 1/4 in.	5.50
F389D	50 lbs.	4 1/2 in.	6.50
F389E	60 lbs.	5 in.	7.00
F389F	70 lbs.	5 1/4 in.	8.00
F389G	80 lbs.	5 1/2 in.	9.00
F389H	100 lbs.	6 in.	11.00

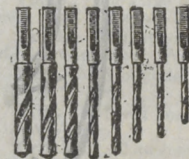


THE BEST VISE MADE

### IN SETS OF 8 BITS

No. F381.

Set of eight 1/2 inch round shank drills. One of the best assortments for the average blacksmith or farmer. Contains



the sizes most used. Our price will save you money on each size. The set contains one each 1/4-inch, 3/16-inch, 1/8-inch, 5/16-inch, 3/8-inch, 7/16-inch, 1/2-inch and 5/8-inch. Shipping weight about 2 lbs. Price, per set..... 2.25

### ROUND SHANK DRILL BITS

#### PRICES ON SINGLE BITS

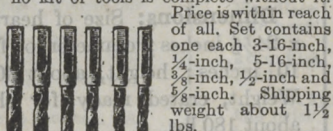
Comes with 1/2 inch round shank and fits any of the standard makes of blacksmith's drills. These drills are made from highest grade steel and every drill is ground true to size and warranted perfect in material and workmanship.

No. F382

Size, inch . 1/4	5-32	3-16	7-32	1/8	9-32	5-16	11-32	3/8	13-32
Price....	.20	.22	.25	.26	.27	.30	.32	.33	.34
Size, in 7-16	15-32	1/4	17-32	9-16	19-32	5/8	21-32	11-16	23-32
Price..	.36	.37	.40	.42	.43	.45	.48	.50	.52
Size, inch . 3/4	25-32	13-16	27-32	3/4	29-32	15-16	31-32	1	
Price.....	.58	.62	.64	.68	.70	.74	.76	.78	.80

### IN SETS OF SIX BITS

No. F383. Set of six 1/2 inch round shank drills. This set is especially well assorted in sizes and no kit of tools is complete without it.



Price is within reach of all. Set contains one each 3/16-inch, 1/4-inch, 5/16-inch, 3/8-inch, 7/16-inch and 1/2-inch. Shipping weight about 1 1/2 lbs.

Price per set

1.75





## 30c Machinists' Ball Pein Hammers

No. H390. Best cast steel, half polished, with handles. Handles not included in weight. State weight.

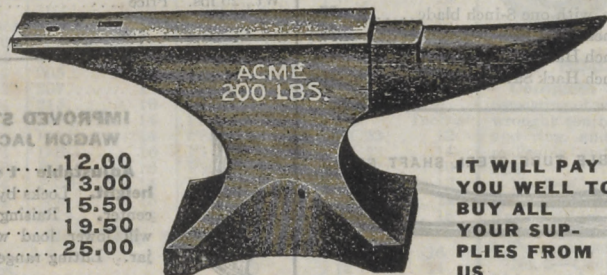
	oz.	lb.	lbs.	lbs.	lbs.	lbs.
Wt., about	12	1	1 1/4	1 1/2	2	2 1/2
Price	30	.35	.40	.45	.50	.55

## ACME ENGLISH WROUGHT ANVILS

Superior in design, material and finish to any other wrought anvils on the market.

Our Acme Anvils are made of two pieces of tough wrought iron welded at waist. The face is made of a single piece of tool steel securely welded to the body and warranted not to come loose. The face, trued by a special machine so that there are no hollow or uneven places, is perfectly tempered, making it hard without being brittle, and tough without being soft. Has long, perfectly shaped horn and heel and the base has sufficient spread to insure stability and prevent tipping.

To prove that our Acme is the best wrought anvil ever offered, we sell it under our guarantee to take any one of them back at our expense within thirty days after you receive same if it is not equal to, or better than any anvil you ever used.



85 lbs.	12.00
100 lbs.	13.00
125 lbs.	15.50
150 lbs.	19.50
200 lbs.	25.00

IT WILL PAY  
YOU WELL TO  
BUY ALL  
YOUR SUP-  
PLIES FROM  
US

## SEMI-STEEL FACE CAST ANVILS

No. H391. Solid tool steel face, cast body. Properly shaped, ground and tempered.

	30	50	70	100
Price	2.85	4.00	5.60	8.00

## VULCAN COLD CHISELS



No. H394. Forged from tough steel, carefully tempered. Size is size of steel bar from which chisel is made.

Size, 1/2-inch.	Size, 3/4-inch.	Size, 1-inch.
Wt., about 1 1/2 lb.	Wt., about 2 1/2 lb.	Wt., about 3 1/2 lb.
Price, .10	Price, .16	Price, .22

## GUARANTEED MILL FILES

Our first quality Mill Files are made of the very best crucible steel, which through a special process have been hardened and tempered so they will cut faster, last longer and wear better and give more general satisfaction than you can get from any other file made.

### First Quality Mill Files

No. H395	Size, inches	Price, each
	6 8 10 12 14	.08 .10 .15 .18 .25

### First Quality Flat Bastard Files

No. H395A. First Quality Flat Bastard File.	Size, inches	Price, each
	6 8 10 12 14	.10 .12 .15 .20 .30

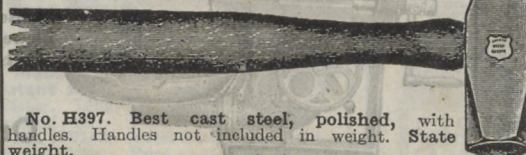
### First Quality Slim Taper Files

No. H395B	Size, inches	Price, each
	4 5 6 7 8 9	.06 .07 .08 .10

### NICKEL PLATED EXTENSION HACK SAW FRAME

No. H395C. Strong and durable. Blade adjustable to right angles with frame, takes any length blade from 8 to 12 inches. Price includes one 8-inch blade. Wt., about 1 1/4 lbs.	Price
	.50
Hack Saw Blade, 10 in., .04.	12 in. .05

## 45c Blacksmiths' Hand Hammers.



No. H397. Best cast steel, polished, with handles. Handles not included in weight. State weight.

Weight, about	2 lbs.	2 1/2 lbs.	3 lbs.	3 1/2 lbs.
Price	.45	.50	.65	.95

## BLACKSMITHS' SLEDGES.



Double Face Single Face  
Oil finished, with polished faces. Guaranteed against defects. Please state whether single or double face is wanted. Single and double face same price. Without handle.

Wt., lbs.	8	10	12	14	16
Price	.75	.85	1.00	1.25	1.35

## HICKORY SLEDGE HANDLES.

Straight grain, selected, 33 inches long. Wt., about 1 1/2 lbs. Price

No. H398	Shank	Weight, About	Price
	1 in.	1 lb.	.20
	1 1/2 in.	1 lb.	.30
	2 in.	1 1/2 lbs.	.35
	2 1/2 in.	2 lbs.	.45

## STRAIGHT HARDIES.



## HOT CUTTER.



No. H398A

Weight, Cuts	About	Price
1 1/2 in.	2 1/2 lbs.	.35

## COLD CUTTER.



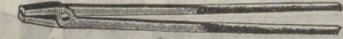
No. H398B

Weight, Cuts	About	Price
1 1/2 in.	2 1/2 lbs.	.35

\$1.32 Leather Aprons for Blacksmiths and Horseshoers

Size 28x38, complete with strings.

## BLACKSMITHS' STRAIGHT LIP TONGS.



Drop forged of best quality steel. Have grooves in center for holding round, square or octagon bars.

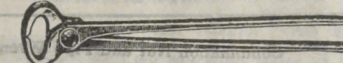
No. H399A. 20 inches long. Wt., about 3 pounds.	Price
	.45
No. H399B. 22 inches long. Wt., about 4 pounds.	Price
	.50

## DROP FORGED STEEL BOLT TONGS.



No. H399C. 24 inches long. Price

Tempered Steel Cutting Nippers.



No. H399D. For cutting hoofs, nails, etc. Best nipper made for the price. Length, 14 inches. Wt., about 2 lbs. Price

No. H399E. Best steel, full polished	Length, inches	Wt., about, pounds	Price
	12	2	1.50
	14	2 1/2	1.75

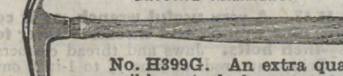
Nothing better. Length, inches. Wt., about, pounds. Price

## HELLER BROS.' HORSE RASPS



No. H399F. Best clay crucible steel, accurately cut and properly tempered. Length, inches. Wt., about, lbs. Price

## HORSESHOERS' EXTRA QUALITY DRIVING HAMMERS.

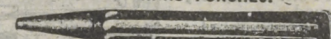


No. H399G. An extra quality crucible steel hammer, with claws and face specially tempered, full polished finish and selected hickory handle well put in. Weights given do not include handles. Weight, about, ounces. Price

No. H399H. This celebrated knife with bone handle. Wt., about 6 ozs. Price

Common Farriers' Knife. Price

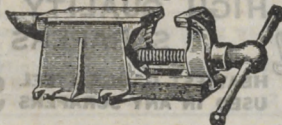
## ROUND HAND PUNCHES.



No. H399K. Octagon steel, 8 inches long. Size, point, inch. Price, each

\$1.50

## COMBINATION VISE, ANVIL AND PIPE VISE



No. H392. Farmers' Combination Anvil and Vise with Jaws for Holding Pipe. Designed for ordinary light work. Has steel screw with cut thread, steel nut and handle. Width of jaws 3 inches, opens 5 inches. Weight 27 lbs. Price

## BLACKSMITH STOCKS AND DIES



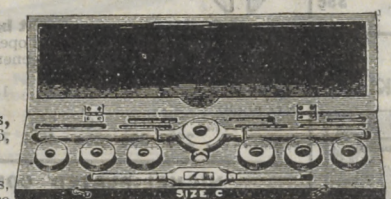
No. H393	No. H393A	No. H393B
Factory No. 32B.	Factory No. 37.	Factory No. 41C.
4 taps.	6 taps.	6 taps.
4 pairs dies.	3 pairs dies.	3 pairs dies.
10, 12, 14 and 16 threads to inch.	14, 18 and 22 threads to inch.	12, 14 and 16 threads to inch.
Cuts 3/4 to 1 1/4 inch.	Cuts 3/4 to 3-16 inch.	Cuts 1/2 to 3-16 inch.
Weight, about 5 1/2 lbs.	Weight, about 3 1/2 lbs.	Weight, about 3 1/2 lbs.
Price, per set, 3.50	Price, per set, 3.00	Price, per set, 2.50

\$2.50

## SCREW PLATE

\$11.50

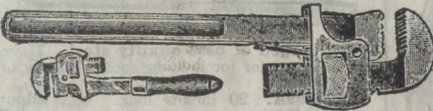
No. H396. Set of Four Small Collets, cutting 1/4, 5-16, 3/8 and 7-16 inches with stock 14 inches, and three large collets, cutting 1/2, 3/4, and 1 inch, with 26-inch stock, 7 taps and tap wrench. Per set



No. H396A. Set of Four Small Collets, cutting 1/4, 5-16, 3/8 and 7-16 inches, with stock 14 inches, and five large collets, cutting 1/2, 3/4, 1 inch, with 26-inch stock, with 9 taps and tap wrench. Per set



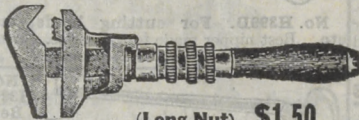
STILLSON PIPE WRENCHES



No. H 40. Stillson Pipe Wrench, made of the best tool steel and fully warranted. Will not crush the pipe, has a firm, positive grip, and releases its hold instantly. The 8-inch and 10-inch have wood handles, while the larger sizes have steel bar handles.

Length, 8 in.; takes pipe to 3/4 in.; each	70c
Length, 10 in.; takes pipe to 1 in.; each	80c
Length, 14 in.; takes pipe to 1 1/2 in.; each	\$1.00
Length, 18 in.; takes pipe to 2 in.; each	\$1.25
Length, 24 in.; takes pipe to 2 1/2 in.; each	\$1.75

Combination Nut and Pipe Wrench



(Long Nut) \$1.50

This wrench not only combines the superior quality of gas pipe wrench, but also all the requisite combinations of a regular nut wrench. The long nut enables you to attain a good grip with the hand, and holds the jaw perfectly rigid. Weights range from 2 1/4 to 4 1/2 lbs. each.

	Size	Takes Pipe	Each
No. H 41.	12 in.	1/2 to 1 1/4 in.	\$1.50
No. H 42.	15 in.	1/2 to 2 1/4 in.	\$2.00

DROP FORGED STEEL WRENCH AND THREAD CLEANER

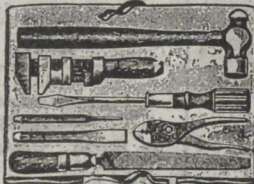


Retails for 60c

No. H 43. A very useful wrench, as it combines a nut and pipe wrench and thread restorer for 5/16, 3/8 and 1/2-inch bolts. Jaws and thread cleaners are hardened. Grips nuts, rods or pipe 1/4 to 1-inch outside diameter. Not intended for cutting new threads, but is useful for restoring battered threads. Length, 8 1/4 inches. Weight, about 1 lb. Price..... 35c

No. H 44. A regular \$2.25 outfit of 10 high grade necessary tools, every one guaranteed to give entire satisfaction. Weight, about 4 1/4 lbs. Set contains:

8-Piece Tool Kit.



- 1 Ball Pein Hammer, 1 pound.
- 1 Screwdriver, 6-inch.
- 1 Pair Pliers, 6-inch.
- 1 Wrench, 8-inch.
- 1 File, 8-inch.
- 1 Cold Chisel, 1/2-inch
- 1 Drill Punch.
- 1 File Handle.
- Price, complete with roll..... \$1.25



COMBINATION TOOL OUTFIT

A Necessary Outfit on the farm and an ideal combination tool at a specially low price.

Vise, anvil, forge, with blower and drill attachments and pipe vise.

ALL IN ONE

Only \$13.50

Forge Pan is oval shape 12 x 15 inches, stands 27 inches from floor. Pan is 7-inch Diameter, driven by accurately cut gear and pinion, will produce sufficient blast with very little exertion. Anvil is 3 1/2 inches wide by 12-inches long, is solid semi-steel, complete with hardy. Vise Jaws are 3 1/2 ins. wide and open 11 ins.; we use crucible tool steel in the jaws; pipe jaws will take pipe to 2 inches. Drill Chuck takes 3/4-inch round shank; drill distance from clutch to feed table 8 inches; chucks are cold rolled steel. This machine is 52 inches high and 48 inches long; shipping weight about 175 lbs.

No. H 48. Complete, as illustrated. Price.....\$13.50

ADJUSTABLE "S" WRENCHES



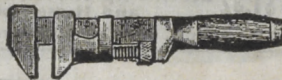
The latest improved adjustable "S" wrench, drop forged from tool steel, forged steel head and jaws finely finished. Can be used in places inaccessible to a monkey wrench.

No. 5H404. Adjustable "S" Wrench.

Shipping				
wt., lb. ....	1 1/2	1	2	3
Length, ins. ....	6	8	10	12
Opens, ins. ....	3/4	1	1 1/4	1 3/4
Price each.....	40c	50c	70c	90c

STEEL MONKEY WRENCHES

Not the cheap light weight kind



No. H 47. Has heavy wrought bar and head, deep milled screw and opens full. 10-inch size is best for general purposes.

Size, inches	6	8	10	12	15
Wt., about					
lbs. ....	3 1/4	1 1/2	2	2 1/4	4
Price.....	25c	30c	35c	45c	70c

ARMHOLT WRENCH



EACH 5c.

No. 5H403. General Utility Multi-lever Wrench. Has openings for set screws as well as nuts. Double tumbled, smooth, bright, free from sand. 7 1/4 inches long with 1/8, 1/4, 3/8, 1/2-inch openings, square hole openings 1/2-inch oblong hole 1-16x13-16 inches. Weight about 1/2 lb. Price each..... .05

COES' KNIFE HANDLED MONKEY WRENCH



No. H 47A. This Wrench has the head and bar drop forged in one piece from selected steel. The jaws are case hardened, and the entire wrench is ground, polished and highly finished. Every wrench warranted.

	8-in.	10-in.	12-in.	15-in.
Price.....	60c	70c	75c	\$1.25

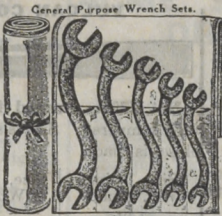
NICKEL-PLATED COMBINATION HANDY PLIERS



No. H47B 6-in., 35c

A handy and useful all around tool. Wire cutter, wrench, screwdriver and combination pliers, that will hold on flat, square or round surfaces. Forged steel, properly tempered, very strong and durable, black finish. The 6-inch pliers will hold up to 3/4-inch pipe; 8-inch will hold up to 1-inch pipe.

No. H 47C 8-in., 55c



General Purpose Wrench Sets.

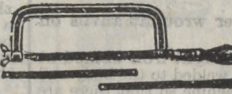
GENERAL PURPOSE WRENCH SETS

Retail Price, \$1.25  
Our Price, 75c

Drop forged from good steel. No farmer or mechanic can afford to be without a set of these wrenches at our Bargain Price. The set has ten different size openings and will take nuts on all sizes of bolts from 3/16 to 5/8-inch, inclusive.

No. 5H405. Set of five wrenches with roll. Weight about 2 3/4 pounds. Price..... 75c

JAPANNED ADJUSTABLE HACK SAW FRAME

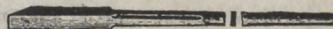


25c

No. 5H406. Strong and durable. Blade adjustable to right angles with frame. The best hack saw frame made for the money and an excellent value at our low price. Usually sold elsewhere for 35 cents. Wt., about 10 oz.

Price, with one 8-inch blade.....	25c
8-inch Hack Saw Blades. Per doz.	35c
9-inch Hack Saw Blades. Per doz.	40c
10-inch Hack Saw Blades. Per doz.	45c

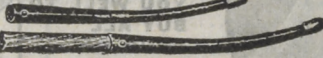
STEEL CROWBARS



No. 5H47. Solid steel, tempered points, well finished, well proportioned, strong and substantial. Either style same price Wedge Point or Pinch Point.

Wt., 16 lbs. Price.....	65c
Wt., 18 lbs. Price.....	70c
Wt., 20 lbs. Price.....	80c

DOUBLE TUBE STEEL SHAFT ENDS.



For repairing broken shafts, and to prevent new shafts from breaking. Made of two wrought steel tubes; inner tube has hickory filler. Japanned patent leather finish with nickel plated tip.

No. 5H407. Buggy size; length, 30 inches. Wt., about 3 1/4 lbs. Per pair 70c

IMPROVED STEEL WAGON JACKS

Adjustable to any height. Locks by passing center. Raising handle will lower load without a jar. Lifting range 18 in.

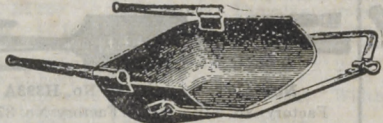


No. 5H409. For light wagons. Wt., about 11 lbs. Price..... \$1.00

No. 5H410. For heavy wagons. Wt., about 13 lbs.

Price..... \$1.25

HIGH QUALITY ROAD SCRAPERS



HEAVIEST GAUGE STEEL USED IN ANY SCRAPERS \$5.50

Bowl is made of one-piece hardened steel, and full thickness is preserved at greatest point of wear.

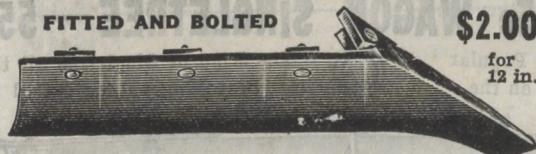
No. 3 size is 32 1/2 inches long, 27 inches wide, 13 inches deep, holds 3 1/4 cubic feet and weighs 75 to 85 pounds. No. 2 is 32 1/2 inches long, 30 inches wide, 13 1/4 inches deep, holds 5 cubic feet and weighs 85 to 95 pounds. No. 1 is 35 inches long, 32 1/4 inches wide, 13 1/4 inches deep, holds 7 cubic feet and weighs 95 to 105 pounds. No. 1 scraper is made of No. 9 gauge steel, Nos. 2 and 3 of No. 10 gauge steel. These are the highest grade scrapers produced by any manufacturer, and are entirely suitable for the heaviest work of farmers, contractors, townships and railroads.

No. 3 \$5.50	No. 2 \$6.50	No. 1 \$7.25
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# SAVE MONEY ON FINISHED PLOW SHARES

FITTED AND BOLTED



**\$2.00**

for  
12 in.

## WE WILL REPLACE ANY SHARES THAT PROVE DEFECTIVE

Guaranteed to fit the plow for which they are intended as perfect as the originals, and to be as finely made and finished and as durable. When ordering be sure to give the size wanted—whether 12, 14 or 16-inch—the make of plow for which the share is intended, and the figures or letters on the back of the old share

CANTON		DEERE		DEERE (Cont'd)		MOLINE	
No.	Size inches	No.	Size inches	Style	Size inches	No.	Size inches
264	14	31	12	Y41	12	CY12	12
266	14	31H	12	153	14	CY14	14
268	16	33	14	153	14	CY16	16
328	16	42	14	EMERSON		DW	12
334	14	42	14	Style	Size inches	DW	14
336	14	40	16	No.		DW	16
324	12	46	16	RN	12	FC1	14
326	14	95	16	RN	14	W	12
294	14	152	12	RN	16	W	14
		157	14			W	16
		161	13	MASSEY		W	16
		162	16	HARRIS		44	14
		164	12	VERITY		45	16
		165	14	GREAT WEST			
		166	16	Style	Size inches	OLIVER	
		205	16	No.		P7145	12
		207	14	P7147	14	Style	Size inches
		215	16	P334	12	No.	
		217	14	P1421	14	NC23	12
		DBF	14	P2914	12	NC23	16
		DBG	16	P5084	16	160	12
		PG16	16	P5083	14	161	14
		P33H	14	P7155	16	162	16
		X41	13				
		X42	14				
COCKSHUTT		No. HD410. Crucible steel.		12	14	16	
Style	Size			9	12	14	
No.	Inches						
BS	16						
J2	14						
JG12	12						
JG12H	12						
JG14H	14						
JG	14						
JGS	14						
JGSH	14						
L16	16						
SP27	14						
SP220	14						
SGSX	12						
Size, inches							
Wt., about, lbs.							
Price, each							

## PARTLY FINISHED PLOW SHARES

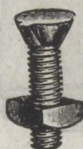
Fully welded and point finished. Can be easily fitted to the different makes of plows. Land-side extends at heel and is long enough to cut to fit any plow. Perfect in shape, made of the very best steel. State size wanted. Average shipping wt., about 13 lbs.



CRUCIBLE CAST STEEL		Size, in.	12	14	16
No. HD411. Right hand.	Price		\$1.50	\$1.65	\$1.85
SOFT CENTER STEEL		Size, in.	12	14	16
No. HD412. Right hand.	Price		\$2.10	\$2.30	\$2.75

## PLOW BOLTS

Best quality standard in size and shape, with forged nuts. No. 1 is Keyhead Pattern; No. 3 Round Head with Square Shank; 3/8-inch diameter, lengths 1, 1 1/4, 1 1/2 and 2-in.



No. 1

Price per dozen... 25c



No. 3

## NECKYOKE CENTRE IRON



No. HD142. Ring 3 1/2 ins. in diameter, made of 9/16-in. steel. Eyes of 7/16 and links of 3/8-inch steel. Price... 20c

## NECKYOKE FER- RULES AND RINGS



No. H116. Size of ferrule 1 1/2-in. ring 3-in. Price, per pair.... 10c

## STEEL HARROW TEETH



9/16-in. sq., 1/2-in. shank. Each... 5c

Made in two lengths, 6 and 6 1/2-in. State length when ordering.

5c



McPHAIL'S DROP HOOK PATTERN SINGLETREE for Agricultural Implements. No. HD414. Price, each... 5c

## END CLEVIS

No. HD415. Malleable Iron End Clevis, inside measure 3/4-in. Each... 6c



Plow Rings. Made of malleable iron, 3/4-in. diam., 3-in. long, 1 3/4-in. wide inside. Wt. 3/4 lb.

No. HD416... 6c

## No. HD417.

Complete Sets, consisting of welded wrought centre clip and ring, and two malleable end ferrule.

SAFETY PATTERN SINGLETREE, TRIMMING IN 513.



No. 2—Centre clip, 9/16-in. centre ring 7/16-in., and ferrule 1 3/8-in., hook 3/8-in. Price per set... 25c  
No. 3—Centre clip, 3/4-in., centre ring, 1 1/2-in., end ferrule 1 1/2-in., hook 3/8-in. Price per set... 30c

## DOUBLE TREE CLEVISES



No. HD418. Malleable iron clevis, with screw pin for 2-inch double-trees; length 4 1/2-in. Price... 10c

No. HD419. For 2 1/2-in. double-trees; length 6-in. Price... 12c

Extra Heavy Clevis, 2 1/2-in. wide, 8-in. long. Price... 15c

## WAGON BOX RODS.



Made of 3/4-inch rolled steel rod with patent shoulder, and wrought nut and washer. Length is from under shoulder to point of rod.

No. HD142. 3 feet 3 in. long. Weight about 1 1/2 lbs. Price... 15c

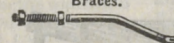
## WAGON BOX STRAP BOLTS.



No. HD143. Rolled steel, straight beveled pattern. A set consists of eight bolts, complete with nuts; shanks 3/4 inches long.

L'gth.	Diam of Sh'ks.	Wt., About Lbs.	Price, per Set of 8
10	1/2	4	50c
12	3/4	5	55c
14	9/16	7	75c
16	9/16	8	85c
18	3/4	10	\$1.00

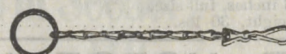
## Wagon Box Side Braces.



Made of 1/2-inch steel. Can be used in connection with our strap bolts.

No. HD144. Length 15 1/2 inch. Price each... 10c

## WAGON STAY CHAINS



No. HD145. Size 5/16 inch; length, 24 inches. Twisted links, best wrought rod, extra strong hooks. Size given is size of steel rod the links are made of. Weight, about 5 lbs.

Price, per pair... 50c

## WAGON WRENCHES.



No. HD146. Rolled steel, very strong. Size shank 9x3/8-in., openings 2 1/4-in. Price... 25c



WAGON BOX IRON RIVETS

No. HD148. Iron Rivets flat or wagon box head. Diameter 1/4-inch.

Price per pound any length from one to three inches... 6c  
Burrs for above 10c lb.

# BIG BOLT BARGAIN ONLY 75c

FOR 100 FIRST QUALITY ASSORTED CARRIAGE BOLTS



Assortment consists of 17 lengths and sizes from 1 1/2 to 5 inches long, by 1/4, 5/16 and 3/8-inch diameter. Worth three times its cost in case of emergency. No farmer mechanic or blacksmith who should be without one of these assortments. This lot of bolts would cost you at least \$1.40 elsewhere.

No. HD149. Weight about 10 lbs. Price... 75c

60c

FOR 50 ASSORTED FIRST QUALITY MACHINE BOLTS



No. HD150. This assortment of 50 first-quality Machine Bolts of 10 lengths and sizes from 2 to 5 inches long by 1/4, 5/16 and 3/8-inch diameter. As a rule sold at \$1.00. Shipping weight 5 lbs.

Price only... 60c

No. HD151. Only 75c. For 75 Assorted Machine and Carriage Bolts, put up in card-board box.

Highest Quality Lowest Prices

16 sizes from 2-in. to 4-in. Sizes 1/4, 5/16, 3/8, 7/16-in.



Highest Quality

Lowest Prices



## HANDY RIVET PACKAGE

No. HD152. Worth three times its cost in case of emergency. No farmer should be without this assortment. Contains about 200 assorted rivets. Six boxes, one each of the following: No. 5 1/2 section, 3/8 to 1 inch; No. 6 section, 1/2 to 1 inch; No. 8 coppered iron, 3/8 to 1/2-inch with burrs; tinned tinners' assorted sizes; tubular, 3/16 to 1/2-inch; clinch, 1/4 to 1/2-inch. Weight, about 3/4 pound. Complete outfit... 35c

## SOLID COPPER RIVETS AND BURRS



Made of the very best copper. Absolutely pure. Manufactured by improved machinery, which guarantees a perfect fit of every burr to the rivet. Weight 1 1/8 lbs.

No. HD153. Size 8 Copper rivets and burrs. Put up in 1/2-lb. packages. 3/4 to 3/8 inch... 25c

## 3-Lb. PACKAGE ASSORTED WROUGHT IRON WASHERS

No. D D 155.

To fit 1/4, 5/16, 3/8 and 1/2-inch carriage and machine bolts. A handy assortment for farmers, blacksmiths, etc.

Price... 30c

## COPPERED IRON RIVETS AND BURRS

No. HD154. Soft iron, heavily coppered. In 1/2-pound packages (about 60 rivets and burrs). Size No. 8, assorted lengths. 3/8 to 3/4 inch. Per pkg... 8c



# IRONED SINGLETREES, DOUBLETREES AND EVENERS AT MONEY SAVING PRICES

## IRONED HICKORY WAGON DOUBLETREE



No. 5E41. Clear tough stock, full size, malleable screw pin clevises, wrought iron center plate. 2x4½x48 in. Weight, 13 lbs. Price.....75c

## IRONED HICKORY PLOW SINGLE-TREE



No. 5E42. Full size with steel center clips, with rings and steel back pull ferrules and hooks. Finished in varnish. 2½ in. x 30 in. Special price.....30c

No. 5E42a. Wagon Single Tree, ironed like above. 2½x36 in. Price.....45c

## IRONED HICKORY WAGON NECKYOKES,



No. 5E43. Selected seasoned hickory stock, full size, strongly ironed with heavy iron rings and ferrules; finished in varnish. Length, 42 in. Price.....70c

Extra Heavy Neckyoke, 3x48 in. Price.....95c

## DOUBLETREES AND EVENERS

Hickory, unironed, in the white. Second growth.



No. 5E44. 2 Horse Evenner, size 2x4½x48 inches. Price.....40c

No. 5E45. 3 Horse Evenner, size 2x5x60 inches. Weight, 20 lbs. Price.....75c

No. 5E46. 4 Horse Evenner, size 2x6x72 inches. Weight 28 lbs. Price.....\$1.00

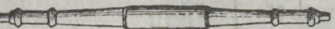
No. 5E47. 5 Horse Evenner, size 2½x6x84 inches. Weight, 40 lbs. Price.....\$1.35

## OVAL HICKORY WAGON SINGLE-TREES



No. 5E48. Second growth selected stock 2½x30-in., wt. ab. 4 lbs. Price, each.....20c  
2½x30-in., wt. ab. 5 lbs. Price, each.....25c  
Plow Singletree, wood, 2½x30-in. Each.....15c

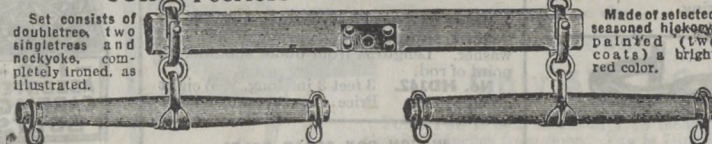
## TURNED HICKORY NECKYOKES



No. 5E49. Seasoned selected stock. Size, inches.....2½x38 2½x42  
Price, each.....25c 30c

## \$3.50 painted Wagon Set only \$2.50

### OUR Peerless" PAINTED WAGON SET.



Set consists of doubletree, two singletrees and neckyoke, completely ironed, as illustrated. Made of selected seasoned hickory painted (two coats) a bright red color. Doubletree, 2x4x48 inches; singletrees, 2½x36 inches; neckyoke, 2½x40 inches. Steel clevises, hooks, rings and ferrules are used; all full size, full strength and well put on. No. 5E50. \$2.50



## IRONED HICKORY DOUBLETREE PLOW SET

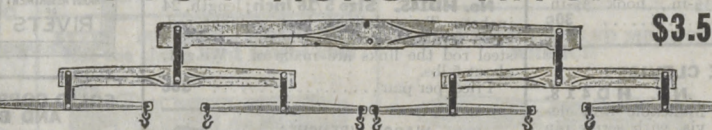
A first class farm outfit, suitable for heavy plowing, grading, harrowing and other farm work. All selected hickory stock. Flat Doubletrees, 1¾x3½x42 inches long. Singletrees, 2½x30. Weight per set, 18 lbs.—  
No. 5E51. Per set, usual \$1.75 value..... Our price \$1.25



## THREE HORSE SET

This set is made entirely of thoroughly seasoned straight grained oak. Ample strong and well suited for heavy work. Can be used for harrowing, grading or on any implement without tongue. The selected white oak material insures the greatest strength. Main evenner measures 44 inches long and short evenners 30 inches long. Singletrees are 28 inches, full size.  
No. 5E52. Per set. Weight, 30 lbs.....\$2.65

## FOUR HORSE HITCH



No. 5E53. This Four Horse Hitch is strong and durable. Can be used on any implement requiring a four horse hitch. Main evenners, 2x6x6 feet. Doubletrees, 1¾x3½x40. Whiffletrees, 2½x28. Weight, 52 lbs. Painted red, striped black, and nicely varnished. Price, each, complete.....\$3.50

## Acme Double Spring Bolster Springs—\$8.50

No. 5E54. Receive the jolts and jars and save the wear and tear on the wagon.

Made on the same principle as an elliptic carriage spring and so constructed that they will not strike the bolster. Every set warranted to carry the number of pounds represented. A set consists of outfit complete for front and hind bolster. We carry in stock and can ship immediately any of the sizes listed. State length wanted. 38-inch always sent unless otherwise ordered.  
2,000 lb. capacity, per set.....\$ 8.50  
2,500 lb. capacity, per set.....10.00

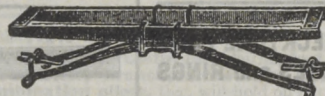


Illustration shows half size.

3,000 lb. capacity, per set.....\$11.00  
4,000 lb. capacity, per set.....12.00

## REGULAR 85c WAGON SINGLETREE—55c

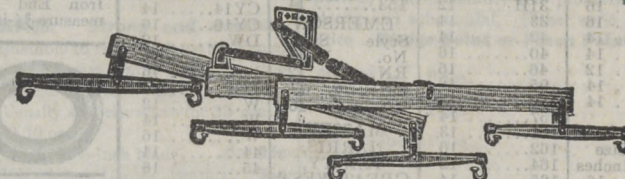
The Best and Most Popular Wood Singletree on the Market

The Kind of Singletree all the Best Wagons are Fitted with



No. 5E55. Made of selected seasoned hickory, good heavy stock, nicely finished and fitted with durable wrought irons. Straps protect wood from wearing against wheel, prevent splitting and add strength. These singletrees are full regular size, 36 inches long by 2½ inches diameter. Round part of clip measures 9-16 in.; ring, 7-16 in.; end straps ½ in.; and hooks, ¾ in. Finished in oil. Weight, about 3 lbs. Price.....55c

## FOUR HORSE PLOW EVENER—\$6.65

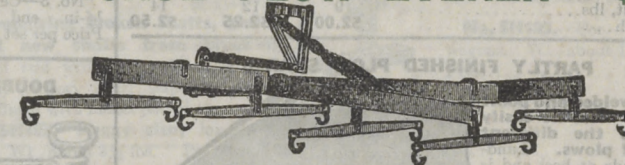


No. 5E56. Made to work four horses abreast on 12 to 18 inch, gang, sulky or disc plows, with three horses on unplowed ground and one horse in furrow. Coupled very short and warranted free from side draft. Has adjusting bolt, by turning which either team can be given the advantage. Made of seasoned straight grain white oak. Nicely finished and varnished. Shipping weight, about 63 lbs. Price.....\$6.65

No. 5E57. Binder Attachment, to be used in attaching above evenner to binder. Shipping weight, about 11½ lbs. Price.....\$1.25

No. 5E58. Four and five-horse evenners are fitted for beam attachment, but we can furnish an extra clevis attachment for use on frame hitch plows. Shipping weight, about 9 lbs. Price.....\$1.50

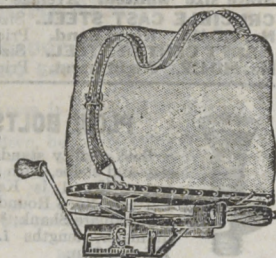
## FIVE HORSE PLOW EVENER—\$8.25



No. 5E59. Constructed on same principle as four-horse evenner listed above, except that it works four horses on unplowed ground and one horse in furrow. Warranted free from side draft. Strongly built. Nicely finished and varnished. Shipping weight, about 93 lbs. Price.....\$8.25

## TRIPLE GEARED HAND SEEDER—\$1.50

No. 5E60. Will sow flax, wheat, clover, timothy, oats, blue grass, etc. By simple gauge on the bottom of the seeder the exact amount of seed to be sown per acre can be regulated. Bag is made of 10-oz. duck and holds ¼ of a bushel. Shipping weight, 6 pounds. Price.....\$1.50

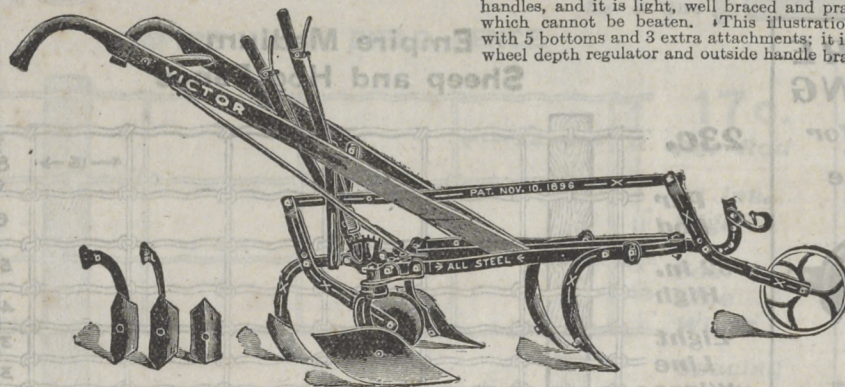




## Victor Steel Cultivator

\$27.50

## The Most Complete Cultivator Made



The frame is extra long, and is built higher than other styles, therefore it runs more steadily. The "Victor" is made entirely of steel, except handles, and it is light, well braced and practically indestructible a tool which cannot be beaten. This illustration shows the "Victor" fitted with 5 bottoms and 3 extra attachments; it is fitted with lever wheel, rear-wheel depth regulator and outside handle braces. This tool marks a great advance in cultivators. The lever wheel and rear-wheel depth regulator enable the operator to control absolutely the working depth of the teeth. With these attachments the cultivator runs more steadily, and the operator is relieved from all strain in holding cultivator from running too deep. For transporting from field to field the teeth can be raised entirely out of the ground. The lever wheel enables the operator to change its depth in a moment, and while in motion, and to turn easily at the end of the row. By the lever expander the width also can be changed instantly. The outside handle braces

makes the cultivator very solid and rigid. This rigidity is maintained while the tool is being expanded or contracted. Guaranteed to be a better designed tool and to give better satisfaction than any cultivator of its class on the market. Test it to your entire satisfaction, and if it isn't all we claim it to be after 30 days we'll gladly take it back and refund you your money and freight charges.

**B 10.** "Victor" Steel Cultivator, complete, as illustrated, with short hillers, weight, 85 lbs. Price \$7.00

**B 11.** "Victor" Steel Cultivator, complete as illustrated, with both short and long hillers, weight, 100 lbs. Price \$8.75.

## Victor Combined Hill and Drill Seeder, Cultivator, Hoe and Plow

Single and Double Wheel

## A STRICTLY HIGH-GRADE ARTICLE.

An outfit that will please and give excellent satisfaction. The feed, while simple, handles a very large variety of seeds, getting an even distribution that is unequalled and every satisfactory in sowing salsify, parsnip, prickly spinach, wrinkled pea, beet, etc., getting an even row with light seeding. The feed will also handle phosphates, which can be sown before or after seeding.

Has angle steel frame with hill dropper.

Agitator and cultivator frame are of malleable iron, giving lightness with strength.

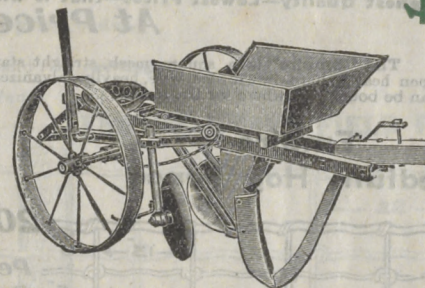
Hill Dropper will deposit seeds in compact hills 9, 12, 18 or 36 inches apart.

Has shoe opener for onion and shallow-sown seeds,

and point opener for deep sowing. Both deposit the seed in a narrow line, allowing close cultivation, thus saving hand labor. The handles are adjustable to height of operator. The wheels can be raised or lowered, for deep or shallow cultivation.

The cultivator attachments are: 5 teeth, 2 hoes and right plow.

**No. B 12.** Combined Hill and Drill Seeder, Single and Double Wheel Cultivator, Hoe and Plow, weight, 70 lbs. Price \$10.50



Marks, Drops and Covers, all at the same time.

The Schofield is the most reliable and satisfactory combination potato planter and digger on the market. These are the very latest models.

They contain every modern improvement, and are stronger, better and more perfect working than ever. The dropper is fed by hand, is automatic and insures more perfect work than can be done with a self-drop planter. Axle is tubular and spindles can be set so the wheels will run any distance apart from 30 to 42 ins. Distance between the wheels determines the distance between rows, as one horse follows the last wheel track. The driver walks, and consequently is better able to keep the horses on the wheel track. Will plant 13, 16 or 19 ins. apart at any depth from 3 to 6 ins. When used as a digger the driver rides and has perfect control over both team and machine. The digger can be set to run any desired depth, and will not run too deep or too shallow. The separator bars are of tempered steel, set edgewise. These machines are well known and are used in every section of the country. They have earned the reputation of being the only successful combined planter and digger made. We recommend that you buy the combined machine for, you get two perfect machines in one for the price usually paid for one. The machine is constructed entirely of steel and iron (except pole), is very substantial, cannot easily get out of order, and with fair usage will last for years.

\$25.00



Five to ten acres per day can be planted, according to condition of soil and length of rows. Seed planted with this machine does not require as much labor in cultivation as when planted by hand.

**B 20.** Potato Planter and Digger. Weight, 240 lbs. Price, complete, \$32.50.

**B 21.** Potato Planter only. Weight, 190 lbs. Price, complete, \$27.50.

**B 22.** Potato Digger only. Weight, 180 lbs. Price, complete, \$25.00.

Page 43

SATISFACTION GUARANTEED.





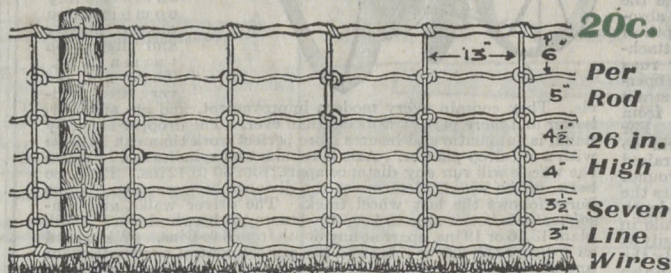
## OUR FAMOUS EMPIRE FENCING

**Highest Quality—Lowest Prices—that is why we sell more wire fencing direct to the user than any other firm in Western Canada**

***At Prices You Can Easily Afford to Pay***

The "Empire" is a square mesh, straight stay, staple fence, a type acknowledged to be the best of the various kinds used. The only kind of wire used is open hearth, hard drawn, steel wire, heavily galvanized, and it is the purpose of this Company to sell direct to the user a wire fence more substantial and lasting than can be bought elsewhere for the money.

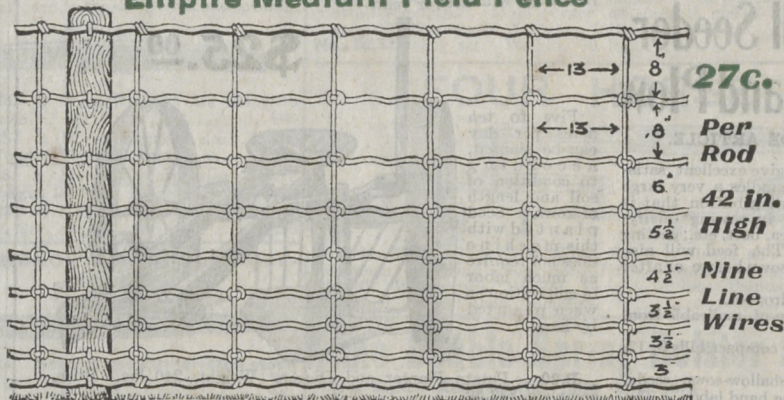
**Empire  
Medium Hog Fence**



**No. F 2. "Empire" Hog Fence** made of hard, tough, open hearth steel wire, thoroughly galvanized and rust-resisting. No. 9 top and bottom, stays and intermediate line wires No. 12. Weight per rod, 6 lbs. Price, per rod, **20c.**

**No. F 2 A.** Same as above, with stays 6½ ins. apart. Weight 7½ lbs. Price, per rod, 25c.

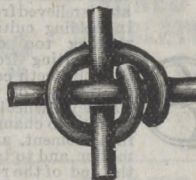
## Empire Medium Field Fence



**No. F 4. "Empire" Field Fence** made of hard, tough, open hearth steel wire, thoroughly galvanized and rust resisting. No. 9 top and bottom, stays and intermediate line wires No. 12. Weight, per rod, 7¼ lbs. Price, per rod, 27c.

## EMPIRE FENCING

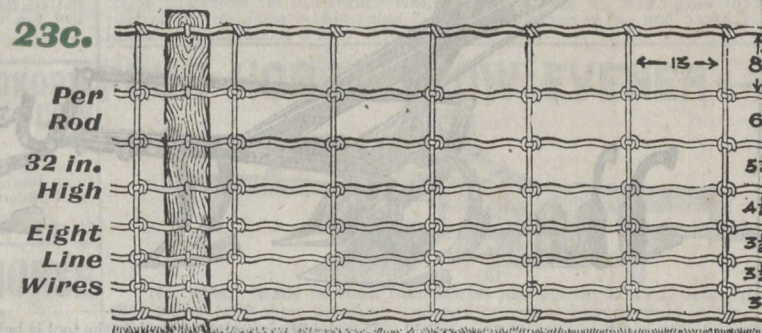
**Is Best for  
Every  
Purpose**



## THE KNOT

A Sample Knot, Showing Construction and Grade of Wire, sent You on request.

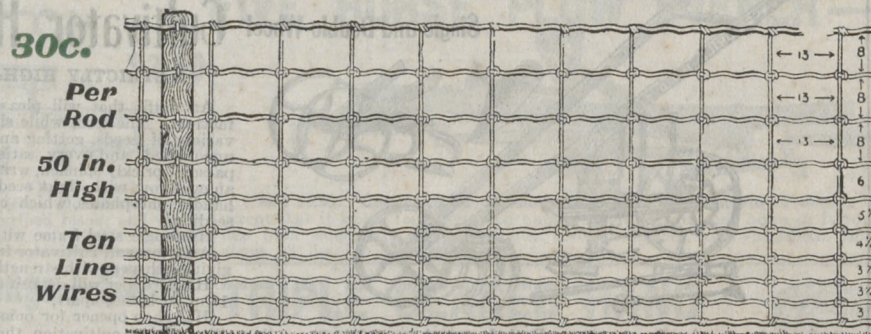
## Empire Medium Sheep and Hog Fence



**No. F 3. "Empire" Sheep and Hog Fence** made of hard, tough, open hearth steel wire, thoroughly galvanized and rust resisting. No. 9 top and bottom, stays and intermediate line wires No. 12. Weight, per rod, 6½ lbs. Price, per rod, 23c.

**No. F 3 A.** Same as above, with stays 6½ in. apart. Weight 9 lbs. Price 30c.

## Empire Medium Stock Fence



**No. F 5. "Empire" Stock Fence**, for horses, cattle, sheep or hogs, made of hard, tough, open hearth steel wire, thoroughly galvanized, No. 9 top and bottom, stays and intermediate line wires No. 12. Weight, per rod, 8 lbs. Price 30c.





# EMPIRE HEAVY STOCK FENCE

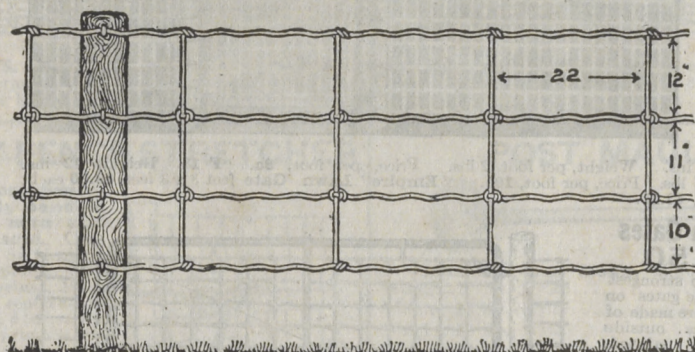
We guarantee perfect satisfaction and to save you money on every order.

Made of all No. 9 hard, tough open hearth steel wire, thoroughly galvanized and rust resisting.

Size of Wire  used in this Fence



## EMPIRE HEAVY FIELD FENCE



**17c.**

Per Rod

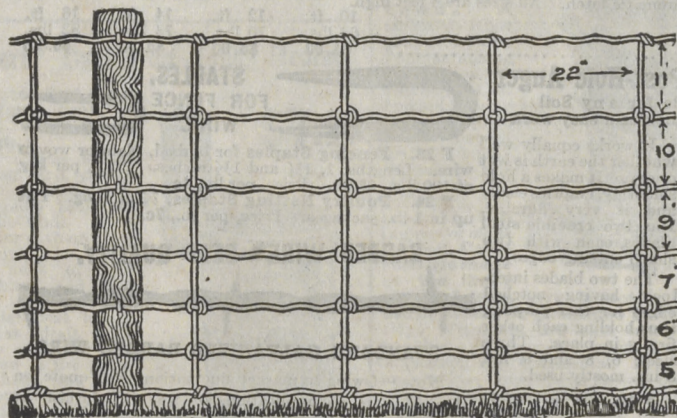
33 ins.  
High

Four  
Line  
Wires

Spacing  
as Illus-  
trated

F 6. "Empire" Heavy Field Fence, a good fence for horses or cattle, made of open hearth steel wire. Weight,  $5\frac{1}{2}$  lbs. Price, per rod, 17c.

## EMPIRE HEAVY STOCK FENCE



**30c.**

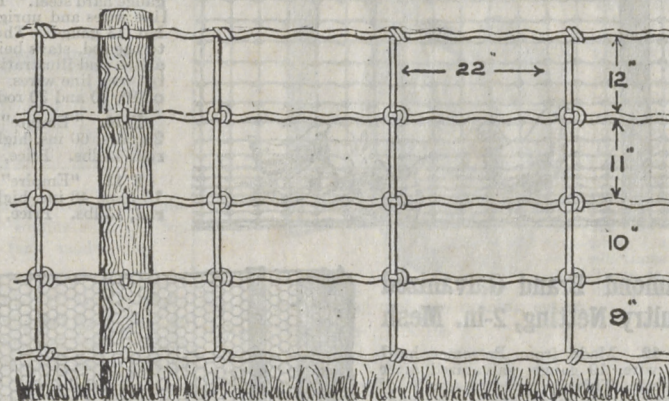
Per Rod

48 ins.  
High

Seven  
Line  
Wires  
Spacing  
as Illus-  
trated

F 8. "Empire" Heavy Stock Fence, for horses and cattle. One of the most popular size fences on the market. Weight, per rod, 9 lbs. Price, per rod, 30c.

## EMPIRE HEAVY FIELD FENCE



**21c.**

Per Rod

42 ins.  
High

Five Line  
Wires

Spacing  
as Illus-  
trated

F 7. "Empire" Heavy Field Fence, a splendid fence for horses or cattle, made of a No. 9 hard, tough, open hearth steel wire, thoroughly galvanized and rust resisting. Weight, per rod,  $7\frac{1}{4}$  lbs. Price 21c.

## EMPIRE HEAVY STOCK FENCE

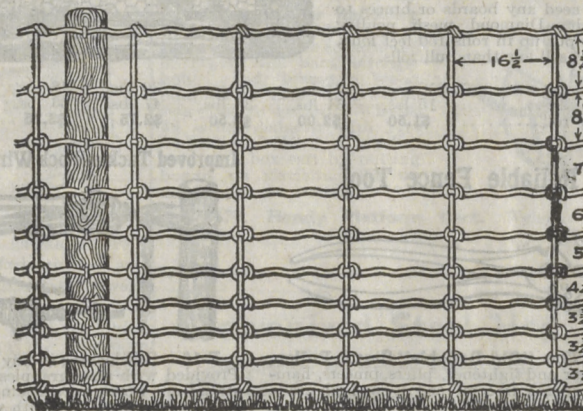
**42c.**

Per Rod

50 ins.  
High

Ten  
Line  
Wires

Spacing  
as Illus-  
trated



F 9. "Empire" Heavy Stock Fence for horses, cattle, sheep or hogs, made of 12 stay to the rod, spacing as illustrated above. Weight, per rod, 15 lbs. Price, per rod, 42c



# Lawn Fencing, Gates, Fence Tools, Poultry Netting

## Empire Poultry Fencing

This fence is far heavier than the "Diamond" Poultry Fence, and is easier erected, and will do for turning small stock as well as poultry. The top and bottom wires are No. 9 gauge hard steel. The intermediate line wires and uprights are made of No. 13 gauge. There are 25 stays to the rod, stays being placed 8 ins. apart, and illustration shows spaces between line wires. Put up in rolls of 10, 20 and 30 rods.

**F 10.** "Empire" Poultry Fence, 20 bars, 60 ins. high. Weight, per rod, 13 lbs. Price, per rod, 58c.

**F 11.** "Empire" Poultry Fence, 18 bars, 48 ins. high. Weight, per rod, 13 lbs. Price, per rod, 53c.

This fencing is not only very ornamental, but it has great strength and durability, and at our low prices it is certainly a splendid investment. We use No. 9 galvanized open hearth steel wire in both line wires and pickets. Pickets are spaced 2½ ins. apart, and the line wires are 6 ins. apart. It is painted white after galvanizing.

**F 17.** Height, 36 ins. Weight, per foot, 2 lbs. Price, per foot, 8c. **F 18.** Height, 42 ins. Weight, per foot, 2½ lbs. Price, per foot, 10c. "Empire" Lawn Gate feet 3 x 3 feet, \$3.00 each, 3 feet x 3½ feet high, \$3.25.

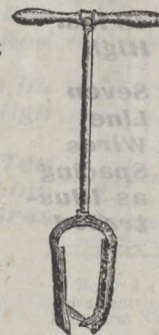
## Standard Farm Gates 10 feet \$4.50

**F 19.** One of the strongest and most serviceable gates on the market. Frames are made of steel tubing, 1½ ins. outside diameter, and nicely painted. Each gate has a centre brace of 1½ inch tubing, with diagonal brace rod, which prevents sagging. Filled with heavy galvanized square mesh-farm fence, it is practically poultry proof, as well as hog tight; fitted with good hinges and automatic latch.

Width.....	10 ft.	12 ft.	14 ft.	16 ft.
Weight.....	62 lbs.	70 lbs.	78 lbs.	82 lbs.
Price.....	\$4.50	\$5.00	\$5.50	\$5.75

## The "Iwan" Post-Hole Auger

\$2.00. Suitable for any Soil  
Unexcelled for quick and easy work



It works equally well whether the earth is wet or dry. It makes a hole smoothly, empties easily and is very durable. Has two crucible steel blades, each with two sharp cutting edges.

The two blades interlock, having notched edges for this purpose, thus holding each other firmly in place. Three sizes: 6, 8 and 9 ins, 8 ins. mostly used.

**F 13.** 6 inch \$1.75

**F 14.** 8 inch 2.00

**F 15.** 9 inch 2.25

## STAPLES FOR FENCE WIRE.

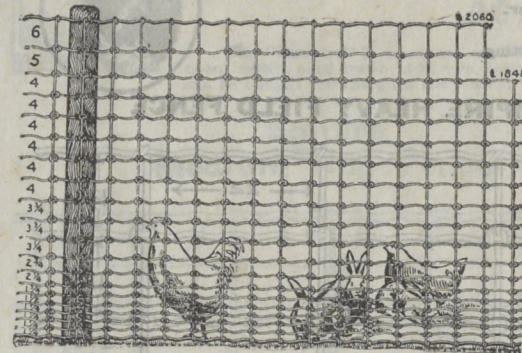
**F 23.** Fencing Staples for barbed, plain or woven wire. Lengths: 1, 1½ and 1¾ inches. Price, per keg of 100 lbs., \$3.50. Price, per lb., 4c.

**F 24.** Poultry Netting Staples, ¾ in. long. Put up in 1-lb. packages. Price, per lb., 7c.

## BARBED WIRE—BEST QUALITY.

## STANDARD GALVANIZED BARBED WIRE

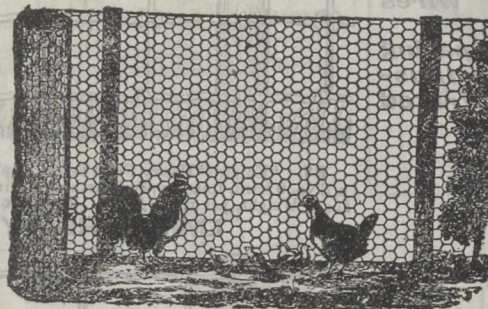
Note.—Owing to market fluctuations will quote on barbed wire on application, or we will furnish at lowest wholesale prices, and guarantee to save you money on full weight-barbed wire, 2 and 4 pt.



## Diamond Brand Galvanized Poultry Netting, 2-in. Mesh

**F 12.** Made from Bessemer hard steel wire, 19 gauge, galvanized after weaving. This is the best grade of poultry netting made, and is the standard size mesh used for poultry yards, and while there are many times that nothing else but this netting will answer your purpose, yet we advise you, wherever possible, to use the "Empire" heavy mesh, as it lasts longer, and does not need any boards or braces to support it. Diamond mesh poultry netting is put up in rolls 150 feet long. We do not sell less than full rolls.

Height.....	18 ins.	24 ins.	30 ins.	36 ins.	48 ins.	60 ins.	72 ins.
Weight.....	15 lbs.	34 lbs.	38 lbs.	47 lbs.	53 lbs.	60 lbs.	70 lbs.
Price, per roll.....	\$1.50	\$2.00	\$2.50	\$2.75	\$3.75	\$4.75	\$5.50

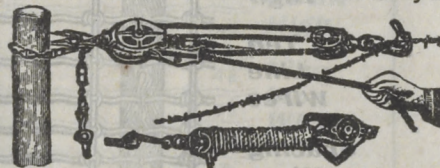


## Reliable Fence Tool



**F 20.** The "Old Reliable" Staple Puller, wire splicer and tightener, pliers, pincers, hammer and wrench all combined in one high-grade tool made of drop forged steel. Every tool is carefully inspected and tested. Weight of tool, about 2 lbs. Price, each, 75c.

## Improved Tackle Block Wire Stretcher and Safety Hoist

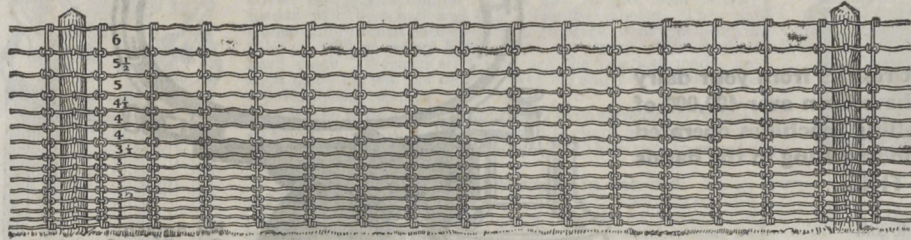


**F 16.** Self locking at any point. Swivels at either end. Provided with steel grapples for stretching barbed wire, strand and woven wirefencing. Also a complete safety rope hoist for ordinary use, with which one man can raise 500 lbs. Weight, about 5 lbs. Price, complete with 16 feet of best ¾-inch manila rope, 75c.



**SPECIAL HEAVY HOG, STOCK and POULTRY FENCE**

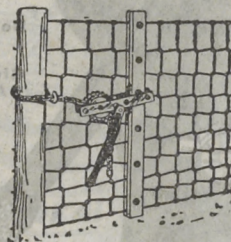
15 line wires. Best Garden and Field Fence made

**43 CENTS PER ROD**

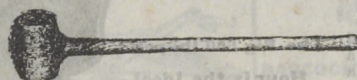
**No. F5.** This is our special Empire stock and poultry fence, made of No. 9 top and bottom wires, No. 12 intermediate line wires, spacings as shown. Has 15 line wires and 50 inches high stays, 8 inches apart or 24 stays to rod. Weight per rod, 14 lbs. Price per rod.....**43c**

**EASY FENCE STRETCHER**

Light, strong, powerful, easily handled by one man and perfectly safe. Cannot slip. Selflocking at every point. No cogs nor springs. Pulls direct from center without side draft. Stretches up to the end post. Price includes pair of 62-inch wood clamps, and 8-foot heavy wrought chain with hook.



**No. F470.** Easy Fence Stretcher. Weight, 39 lbs.

Price.....**\$6.50****POST MAULS**

**Solid Cast-Iron Mauls, hickory handles.**

Weight, 10 lbs. Price.....	<b>\$ .60</b>
Weight, 13 lbs. Price.....	<b>.70</b>
Weight, 16 lbs. Price.....	<b>.85</b>
Weight, 20 lbs. Price.....	<b>1.00</b>

**ACME AGRICULTURAL BOILERS**

Full Capacity guaranteed. A strictly high grade boiler.

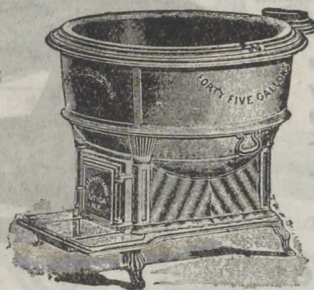
Popular among farmers and butchers. Can be used for any purpose where a fine smooth kettle is required, such as rendering lard, cooking feed for stock, boiling sap or melting lead. **Caldrons are made of the fine t charcoal iron, very smooth, with black lead finish inside, we guarantee them to be full capacity.** Furnaces are cast iron throughout, put together as well as any stove made, and the design is pleasing and ornamental. Price is for the furnace and caldron complete as shown, but does not include pipe. Takes 7 in. pipe. Capacity of this boiler is 33 imperial gallons.

**No. F472.** No. 45 Boiler for wood. Weight, 373 lbs. Price.....**\$21.00**

**No. F473.** No. 45 Boiler for coal. Weight, 400 lbs. Price.....**5.00**

**Galvanized Covers** for above.....**1.00**

See Page 48 for other Feed Cookers.

**Galvanized Steel Stock Tanks**

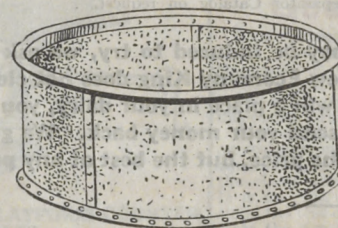
We guarantee our Stock Tanks to be the very best sold in this country. They are made of full 20-gauge steel, and we are now using a **round tube steel top**; makes a better finish and a stronger tank.

For \$2.00 less we could sell you a light weight, poorly constructed tank, with channel steel top, same as sold by other houses selling tanks direct to the farmer. We do not consider them good in quality or value, therefore do not handle them.



**No. F474.** No. 20 gauge steel, round tube top, re-inforced sides, complete with top braces. The strongest tank made.

Width	Height	Length	Cap'ty	Weight	Price
2 ft.	2 ft.	6 ft.	5½ bls.	90 lbs.	<b>\$9.00</b>
2½ ft.	2 ft.	8 ft.	9½ bls.	147 lbs.	<b>12.00</b>
3 ft.	2 ft.	8 ft.	11½ bls.	147 lbs.	<b>13.50</b>
3 ft.	2 ft.	10 ft.	15 bls.	175 lbs.	<b>16.50</b>

**Round Stock Tanks \$9.50**

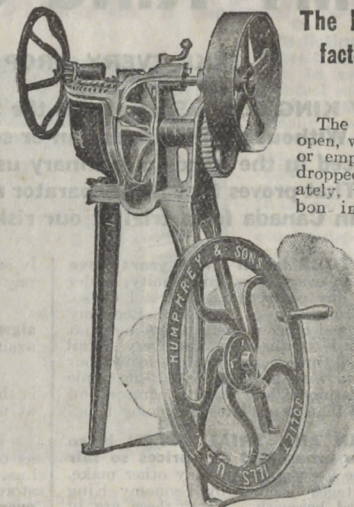
**No. F475.** Made of 20 ga. galvanized steel, round tube top, seams locked, riveted and soldered. Guaranteed to be first-class in every particular.

No.	Diam.	Height	Cap'ty.	Weight	Price
2	4 ft.	2 ft.	6 bls.	125 lbs.	<b>\$ 9.50</b>
10	5 ft.	2 ft.	12 bls.	125 lbs.	<b>12.25</b>
11	5 ft.	2½ ft.	14 bls.	140 lbs.	<b>13.75</b>
17	6 ft.	2 ft.	14 bls.	150 lbs.	<b>18.50</b>
21	6 ft.	5 ft.	34 bl.	230 lbs.	<b>27.50</b>
22	8 ft.	2 ft.	24 bls.	200 lbs.	<b>22.50</b>

Prices of galvanized tanks subject to market changes.

**"HUMPHREY" GREEN BONE CUTTER**

The Most Popular and Satisfactory Bone Cutter made

**\$17.50**

The open Hopper, that is always open, whether the machine is filled or empty, allows the bone to be dropped into the machine immediately, without having to cut the bone into small pieces with an axe.

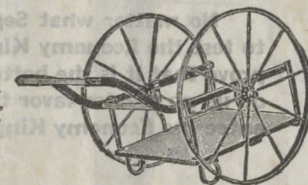
The machine does the cutting. The gearing is so made as to give the greatest leverage and cutting speed possible. Cutters are made of the best tool steel, tempered very hard and made tough by cooling in oil. The cutters have corrugations on the cutting edge, which cut up the chip of bone so that it readily breaks apart. All parts of the "Humphrey" are exposed at all times for cleaning. There is no possibility of the cutter-head clog-

ing. A fast cutting and easy-running cutter.

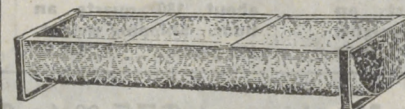
No. 1, hand power, 120 lbs. ....	<b>\$17.50</b>
No. 2, with power pulley, 120 lbs. ....	<b>20.00</b>
No. 2½, hand and power, same as illustrated, 135 lbs. ....	<b>22.00</b>

**HANDY PLATFORM CART**

Very useful for handling milk cans, barrels, sprayers, etc. Frame is constructed of heavy steel bars, strongly bolted and braced. Wood platform is 22x28 inches and sets close to ground. Wheels, 36 inches diameter with 14-inch tires. Can be readily used as a box cart by putting boards on platform. We do not supply the boards.



**No. F476.** Handy Platform Cart. Weight, 100 pounds. Price.....**\$8.50**

**Galvanized Steel Hog Troughs**

**No. F477.** No Better Hog Trough Made.

Made of 18-gauge galvanized steel. The ends are provided with flat bot-

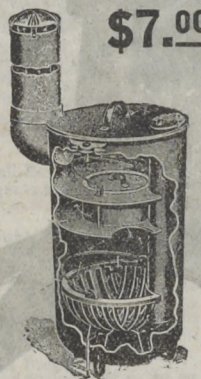
tom so they will not overturn. 14 inches across the top and 8 inches deep

6 feet long.....	<b>\$2.00</b>	8 feet long.....	<b>\$2.50</b>
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**"Western" Cast Iron Tank Heater**

One Piece Cast Iron Body. Won't Leak or Wear Out. 14 in. Diam. 24 in. High.

Body of Heater is one solid casting and cannot leak, is almost indestructible and rapidly heats the water in the tank. Furnished either with or without deflector. The deflector is a most excellent one; the blaze and heat are drawn to the outside of the heater next to the water. Has draft tube inside body of heater that extends down to fire grate. Grate has hand rail, making it convenient to lift out. Furnished with basket grate, holding down rods, smoke pipe, damper in cover and spark arrester; will burn any kind of fuel.

**\$7.00**

**No. F471.** 14 in. diameter, by 24-in. high; with defect.....**7.00**



# ECONOMY KING CREAM SEPARATORS

TAKE EVERY DROP OF CREAM FROM THE MILK

**THE ECONOMY KING Cream Separator** is the Separator you want to get the greatest results from your dairy in the easiest way. Without a single salesman or solicitor in the last twelve years there have been over 400,000 of these Separators placed in the hands of ordinary users in competition with all the big selling machines operated by trained agents. That proves that this Separator must be right. We want to put an Economy King in the hands of every cow owner in Canada for a trial at our risk. **IN YOUR OWN INTEREST READ THIS.**

**ECONOMY SEPARATORS** In all these years have proven their superiority in every dairy community, under all conditions, and against any competition, and still do so. The wonderful skimming qualities of the first Economy machines amazed and staggered other manufacturers and that superiority has been retained to this day. In every detail of frame, gearing, bowl and tinware we have perfected our machine to such an extent that a disinterested mechanic cannot point to a single feature of any other separator and honestly say that it is better than in our latest Economy King.

**OUR SELLING PLAN AND TRIAL OFFER** is so liberal, our guarantee so broad and our prices so fair that it is difficult to see the logic of buying any other make. A few of the many advantages received by Economy King purchasers are briefly stated herewith. All of these are of importance and worthy of careful consideration by the prospective buyer.

**FACTORY.** All Economy King Cream Separators are built in a large, up to date plant with splendid equipment and modern buildings, employing about 800 men. It can with justice be called the model cream separator factory of the world.

**TRIAL PERIOD.** We allow each buyer ten weeks' time in which to put the Economy King to an actual daily farm test before finally deciding to keep it. If for any reason

it is returned we promptly return all money paid for it and pay all freight charges both ways.

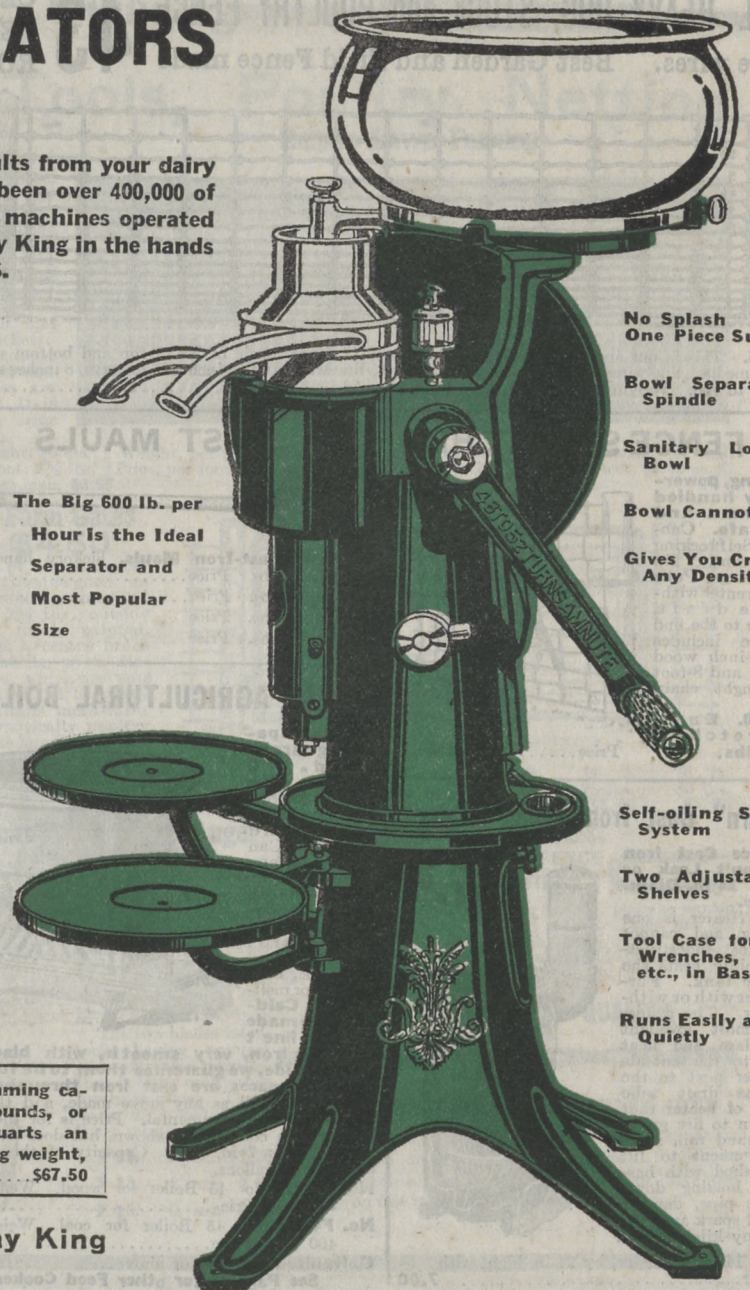
**GUARANTEE.** We issue a strong, written and signed guarantee to each buyer, by which he is insured against loss through any defect in material or workmanship.

**REPAIRS.** An important feature about this machine is that the repairs are supplied to you when you require them at nominal prices, and always supplied promptly.

**PRICE.** Our separators cost just as much to build as other first class machines, and we do not sell them at a loss, but by avoiding all the expense and profit of branch stores, salesmen and agents we can make a big saving for every buyer, as a comparison of our prices with others will prove.

**OUR POLICY.** We aim to have the best separator, regardless of cost, and to supply our customers at prices which are the lowest safe margin over the actual shop cost. We take a personal interest in every machine and every buyer; are always glad to supply any needed information or advice, and are prepared to do repairing and overhauling, if ever necessary, promptly and in a workmanlike manner at the lowest possible prices. If you require fuller information regarding this machine we will be glad to send you special Cream Separator Catalog on request.

The Big 600 lb. per  
Hour is the Ideal  
Separator and  
Most Popular  
Size



No Splash  
One Piece Supply Can

Bowl Separate from  
Spindle

Sanitary Loose Disc  
Bowl

Bowl Cannot Clog

Gives You Cream of  
Any Density

Self-oiling Splash  
System

Two Adjustable Pail  
Shelves

Tool Case for  
Wrenches, Oil Can,  
etc., in Base

Runs Easily and  
Quietly

No matter what Separator you may favor or may be induced to try, we ask you to test the Economy King alongside of it. If the new Economy King does not clearly prove that it is the better in every way and thereby win a place in your dairy, you can do us no greater favor than to return it and let us send your money back. We guarantee the Economy King to be not only the best at the price, but the best at any price.

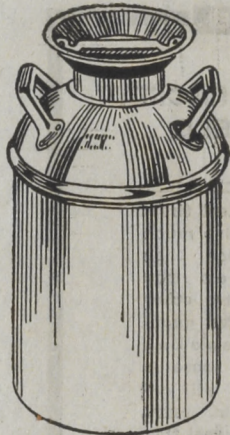
## Economy King Separators at Factory Prices

No. 2. Skimming capacity, 250 pounds, or about 120 quarts an hour. Shipping weight, 175 pounds..... \$35.00	No. 4. Skimming capacity, 375 pounds, or about 180 quarts an hour. Shipping weight, 190 pounds..... \$48.50	No. 6. Skimming capacity, 600 pounds, or about 290 quarts an hour. Shipping weight, 240 pounds..... \$57.50	No. 8. Skimming capacity, 800 pounds, or about 390 quarts an hour. Shipping weight, 255 pounds..... \$67.50
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No Agent's Machine at \$75.<sup>00</sup> to \$100.<sup>00</sup> will equal the Economy King

ALWAYS SOLD ON TRIAL AND GUARANTEED TO PLEASE YOU





### WESTERN HEAVY R. R. MILK CANS

Our Heavy Steel Milk Cans are the best shipping cans in the world. They are built of solid steel from bottom to cover, every part double seamed and riveted, then heavily loaded with best half and half solder by experts. They are tinned and retinned with as much pure block tin as the steel will take up. They cannot leak or rust, are strong and will stand hard usage. Western steel cans are the heaviest made, are rigid and stiff, will not dent or cave in, and you will never be troubled about repairs.

Western milk cans are sanitary, have no seams or crevices to collect milk and dirt, breasts and bottoms are full rounded and you will save enough time in washing these cans to pay the slight difference in price.

Western steel cans are cheapest in the end. Better than cans others ask \$5.00 for. Compare the weights of these steel cans with the weights of others, think of the time saved in washing, of the saving in repair bills, and remember that we fully guarantee these cans to please you and to be the best cans made.

Capacity, gals.....	5	8	10
Average weight, lbs.....	12	21	23
Price each.....	\$3.25	\$3.50	\$4.00

### BALL BEARING HAND CHURN



6.<sup>25</sup>

This illustrates our Ideal Ball Bearing Hand Churn, one of the best and easiest running hand churns manufactured. Can be operated from a standing or sitting position.

The Barrel and Stand are built in the same manner as our Ideal Power Churn.

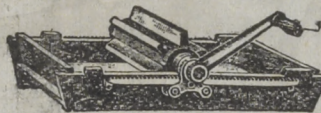
The combination Bow Lever is far superior to the single lever, in that the power is equally applied to both bearings.

The side pedal drive works very easily, and as axles run on Ball Bearings it requires but very little effort to work this churn.

Equipped with patent Cream Breakers.

No. 1.	Capacity 10 gals., weight 60 lbs.	Price	\$6.25
No. 2.	Capacity 15 gals., weight 65 lbs.	Price	6.50
No. 3.	Capacity 20 gals., weight 70 lbs.	Price	7.00
No. 4.	Capacity 25 gals., weight 75 lbs.	Price	8.50

Make the Engine do the work—see Page 8 for all Power Churns.



### PHILADELPHIA PATTERN BUTTER-WORKER Quick and Easy

You can work your butter with one of these machines quicker, better and with less labor than by hand. Simply put the butter in the worker and turn the crank. Made of clear white wood, easily cleaned; all the iron parts are tinned and cannot rust.

No. C20. 17x27 in., will work 25 lbs. Wt., 30 lbs. Price \$5.00



Ball Bearing  
4.<sup>25</sup>

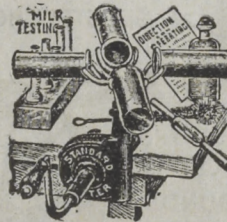
### MOUNTED STEEL FRAME GRINDSTONE

No. L112. This is the best steel frame grindstone made, runs on ball bearings and is worked like bicycle. Stone is about 20 inches in diameter and weighs about 45 lbs.; it has 2 in. face. Shipping weight about 95 lbs. Big value Price only..... \$4.25



### DAIRY PAILS

No. D201. Heavy, Dairy Pail, with drawn steel bottom, heavy steel bail. Stock is tinned and retinned before being put together. Well soldered, smooth seams, strong and durable. Actual capacity, Quarts.... 14 16 Wt., lbs.... 3 1/2 4 Price..... 60c 75c



### BABCOCK HIGH SPEED MILK TESTING OUTFIT COMPLETE

It costs no more to feed a good cow than a poor one. To make dairying pay and to know the profit derived from each individual cow it is necessary to test the milk. Our Babcock Milk Testers tell the exact quality of each cow's milk. A tester is absolutely necessary.

No. D209.	2-bottle for milk and cream	Price.....	\$4.50
No. D210.	4-bottle for milk and cream.	Price.....	\$5.50



6.<sup>00</sup>

### 240-LB. UNION PLATFORM COUNTER SCALES

No. D202. One of the most popular convenient and substantial patterns on the market. Especially adapted for use in stores, homes, or anywhere that first class reliable scales are required. Sensitive enough to weigh half an ounce of butter, and strong enough to weigh a barrel of flour. With one of these scales on your premises you need no longer guess. Just throw the goods on your scale, and immediately you know exactly what it weighs and what's more you know the weight is correct. Beams are solid brass, marked 44 pounds by 1/2-ounces.

Platforms smoothly finished, heavy and durable and measure 10x13 inches. Scoops are well made of heavy tin, and measure 10x19 inches.

Capacity, in scoop, 30 pounds by 1/4-ounces; on platform, 240 pounds by 1/4-pounds. Guaranteed for 5 years; shipping weight, 50 lbs. Price..... \$6.00

## BIG VALUE FEED COOKERS



In listing this Cooker as our Big Value Feed Cooker, we do not hesitate in recommending it as the greatest value ever offered in a high grade cooker at a price that is exceptionally low considering the quality of material that enters into its construction. A cooker must be built along right lines or it will not render the best of service and will last but a short time. In the cooker that we illustrate herewith you are assured of receiving one that can be depended upon for service in every way.

The most durable and popular style of feed cooker made for cooking feed for hogs, poultry, cattle, sheep, horses, also invaluable for heating water.

The jacket is made of one continuous sheet of cold rolled steel, which leaves no joints to open up and take in air, and is supported at bottom with a heavy wrought iron band. Inside the casing is placed a cast iron flue which throws the heat and smoke up and around the kettle before it passes into the smoke-pipe. The kettle is made of smooth cast iron and can be removed from the

casing easily. Door is 12-inch and will take large chunks of wood.

No. H90.	30 gallon, weight 220 lbs.	Price.....	\$ 9.50
No. H90A.	40-gallon, weight 260 lbs.	Price.....	\$11.50
No. H90B.	50-gallon, weight 285 lbs.	Price.....	\$14.50
No. H90C.	60-gallon, weight 320 lbs.	Price.....	\$15.00

Coal Grate, \$3.50 extra. Galvanized Covers, \$1.00 extra.

### "Dominion Government" Guaranteed Scales

These Scales are thoroughly made. Every care is taken to see that they conform readily to the exacting standards of the Dominion Government. Beam is made of solid brass and the material and castings used are of the very best grade. Certificate of government inspection furnished free with every scale.

The reason we quote the extremely close prices we do on scales is on account of our selling direct to you, at wholesale prices. This scale is manufactured by one of the oldest and best scale manufacturers in America. It is no experiment, but a finished product that has stood the test of years. We save you money on scales. Note the size of platforms and the weight; we never sacrifice material for price.

No. L104. 600-lb. platform scale, size of platform 25 x 16 ins., shipping weight 180 lbs..... \$15.00

No. L105. 1200-lb. platform scale, size of platform 27x21 ins., shipping weight 250 lbs..... \$19.50

No. L106. 2000-lb. platform scale size of platform 31 x 24 inches, shipping weight 320 lbs. .... \$27.50

No. L107. 2000-lb. platform scale, size of platform 31x24 inches, with drop lever; shipping weight 325 lbs. \$30.00



NOTE SIZE OF PLATFORM AND WEIGHT

\$15.00



# Hercules, the Best Low Steel Wheel Truck Made 4,000 lbs. CAPACITY GUARANTEED

There is nothing better than this made in a metal wheel truck. Every farm should have one or two. There is an increasing demand for this style of wagon, because of its extreme practicability. With broad 4-inch tires and low wheels it is handy in the field and over soft roads and is fully guaranteed by us.



## \$29.<sup>50</sup>

We use steel tires, which will give much better service than the common iron tires used by other concerns. We guarantee the spokes not to come loose in the hub and will replace without extra charge any wheel that shows defect.

Will be shipped on trial and with our guarantee of satisfaction. We also guarantee to save you from \$5.00 to \$10.00 in money on the purchase.

**Gear**—Front and rear hounds made of angle steel, guaranteed not to wear or break. Axles made of best quality straight grain second growth hickory, bolsters, reach and tongue of extra quality first grade oak; reach is 9 ft. 4 in. long. The angle steel front hound on this truck is far superior to the common wood hounds ordinarily used.

**No. W40**—Hercules 4,000-lb. Steel Wheel Truck, front wheels 26-in., rear wheels 32-ins.; diameter tires 4-in., shipping weight 590 lbs. **29.<sup>50</sup>**  
Price .....

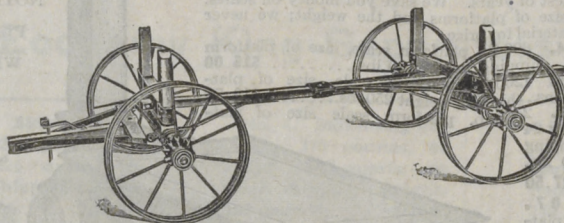
### SPECIFICATIONS

**Wheels**—Dodged spoke metal wheels, made of best quality wrought steel with cast-iron hubs. Guaranteed not to break on the roughest roads. Spokes guaranteed not to become loose in the hubs. **Grooved Tires, 4 in.** wide x  $\frac{3}{8}$  in. thick.

**Painting**—Gear red; wheels black, as illustrated, varnished very nicely and substantially finished. Skeins  $3\frac{1}{4}$  x 10 in. high grade material, standard ring wagon stakes, bolsters are 38 in. wide and will take any standard farm wagon box. Our "Empire" is a good wagon box.

**No. W41**—Hercules 4,000-lb. Steel Wheel Truck, front wheels 30-in., rear wheels 36-in., diameter tires 4-in., shipping weight 630 lbs. **33.<sup>50</sup>**  
Price .....

## No. 1 STEEL WHEEL TRUCK, \$27.50



This metal wheel handy truck carries our regular guarantee of satisfaction, as the material we use in its construction is much better than is used regularly in a truck of this kind. Skeins are  $3\frac{1}{4}$  x 10 in., capacity 4,000 lbs. Bolsters 3 x 4 in. with club stakes set in steel pockets. Gear securely braced, wagon is painted red and nicely finished.

**No. W42**—28 in. front, 30 in. rear wheel, 4 x  $\frac{3}{8}$  in. tire, weight 520 lbs. Price.....**27.50**  
**No. W43**—30 in. front, 36 in. rear wheel, 4 x  $\frac{3}{8}$  in. tire, weight 550 lbs. Price.....**31.50**

Page 50

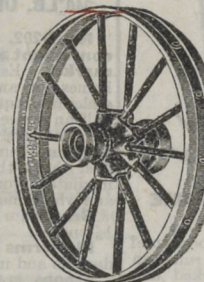
See Page 42 for Best Line of Wagon Sets and Eveners

## Regular Wide Tread Metal Wagon Wheels

Save time, labor and money. Will outlast several set of wooden wheels

Made to fit any size axle or skein. Guaranteed to carry 4,000 pounds per set. The best wheels made for farm use, and amply strong enough for any ordinary load. Price quoted is for one wheel. Send for special chart showing how to take measurements of axle so as to avoid mistakes in size wanted.

	Tire 4x $\frac{3}{8}$ in.	Tire 5x $\frac{3}{8}$ in.
Height of wheels	Price each wheel	Price each wheel
26 inches	4.50	5.00
28 inches	5.00	5.50
30 inches	5.50	6.00
32 inches	6.00	6.50
34 inches	6.25	6.75
36 inches	6.50	7.00
40 inches	7.25	7.75
42 inches	7.75	8.00





# "WESTERN KING" Farm Gear Full Steel Hound and Drop Tongue

Here is a farm gear that is absolutely guaranteed to render service. We are proud of the fact that we can offer our customers this gear at the very low price we quote and it is a quality gear too. Built of very best material and in fact, we absolutely guarantee it to be the equal of any wagon on the market that can be bought at anywhere near this price. If the question of quality is considered in the purchase of a wagon, you will see that we offer you a better value than you could obtain elsewhere. Illustration shows whiffletrees and neck yoke for which we charge \$3.00 extra.

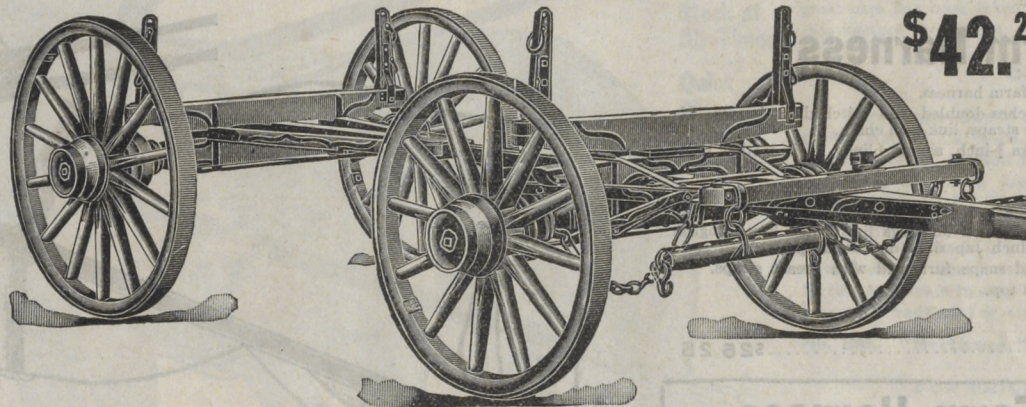
Made of Best Hickory and Oak.

Shipped on 30 Days' Trial.

Fully Guaranteed.

Our prices save you \$10.00 to \$15.00.

Note the high grade woods we use in this gear, hickory and oak. Others use common maple, which will not give near the service.



\$42.<sup>25</sup>

Well adapted for ordinary farm work and with our Empire Wagon Box makes a splendid farm wagon, suitable for hauling grain.

**GEAR** The axles are of the best hickory, selected stock, fitted with 3 1/4 x 10 in. best cast skeins. **Bolsters** of best oak with 12-inch mortised stakes, with two rings heavily ironed. Width between bolsters 38 in. The front hound is made of 1 1/4-in. angle steel reinforced with wood and heavily braced. It has regular wood hounds in rear. **The tongue and reach are made of best seasoned oak**, and the tongue is the regular farm wagon style built into the hounds and heavily ironed.

**Finish**—Gear painted bright red, nicely striped and varnished. Best oils, paints and varnishes used.

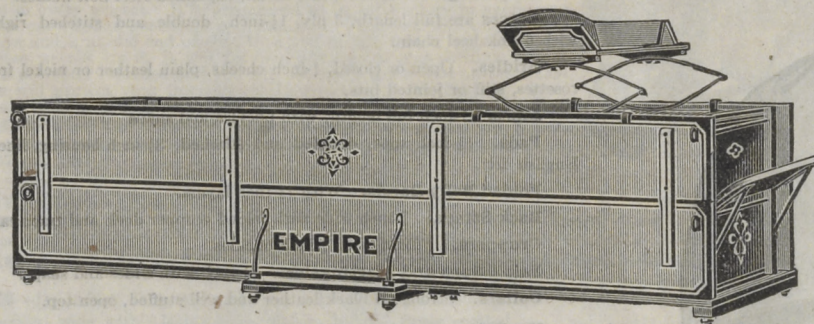
**WHEELS** The wheels are of the best seasoned stock and first class workmanship and finish. The spokes are guaranteed not to work loose. The wheels are furnished standard size.

You can see from the above specifications that this is a quality wagon in every way, one that will render service and prove satisfactory at all times and we recommend this wagon to any buyer as the best that can be purchased for the money.

**No. W 44** with wood wheels, 36-in. front, 42-in. rear, tires 3x 3/4 inches. **42.<sup>25</sup>**  
capacity 4,000 lbs., weight 700 lbs. Price

**No. W 45** with steel wheels, 30-in. front, 36-in. rear, tires 4x 3/4 inches. **37.<sup>50</sup>**  
capacity 4,000 lbs., weight 600 lbs. Price

Whiffletrees, neckyoke, \$3.00 extra.



## DESCRIPTION OF EMPIRE GRAIN-TIGHT FARM WAGON BOX

Well made with Yellow Pine bottom, tongue and grooved, and Cotton Wood or Gum Wood side boards. Hardwood cross braces and bolster cleats and top box fitted hardwood cleats on each side. Comstock patent End Gate with box rods, 1/2-in. box straps and 1/2-in. outside braces. Painted green and striped and varnished. Price includes steel grain cleats, top box fasteners and anti-spreader chains. Boxes are for bolsters 38 in. between stakes. Fits any standard farm gear. Weight, about 300 lbs.

**No. W 46** Wagon box 10 1/2 ft. long and 28 in. high complete with patent end gate, top box fasteners and anti-spreader chains and grain cleats, for bolsters, measuring 38 in. between stakes ..... \$18.00  
10-inch tip-top box, \$4.50 extra; spring seat, \$4.00 extra.



# HARNESS OF QUALITY—Our Unlimited Harness Guarantee

Some people buy harness because it is cheap; some people buy cheap harness because they think it is economy; others buy Unlimited Guarantee Harness because they know it is quality—the kind of harness we sell.

We give the greatest possible value for your money and the highest possible standard of quality, and we accept your order with the understanding that you may compare the harness you buy from us with the harness you get from any other source, and if you do not find that you get by far the greatest value from us, a better harness in every particular than you get from anyone else; if it is not perfectly satisfactory and you decide you do not want to keep it, do not use the harness but return it to us and we will return you the purchase price and any transportation charges you paid.

With proper care our harness will outwear any other harness made. The natural wear and tear on a harness in everyday use is not considered a reflection on quality. We guarantee to replace any part of a harness that gives out on account of a poor piece of leather or on account of poor workmanship, and we will replace it free of charge if you return the defective part to us. Only our method of selling direct to you enables us to quote you the right prices and save you money.

## New Leader Farm Harness

Here is a very low priced plow and general utility farm harness.

**Traces** are 2-inch selected single stock, with 28 inches doubled and stitched at hames, 1½-inch billets. Strong varnished bolt hames, inch hame straps, link heel chain.

**Bridles.** The bridles are well proportioned, checks ½-inch, square blinds, plain leather brow band, nickel rosettes, stiff or jointed bits.

**Lines.** ¾-inch, full length with snaps.

**Belly Bands.** 1½-inch, stout single stock.

**Pads.** 1½-inch, tops, doubled and stitched and 3½-inch housings lined with best English felt; Conway loops, at ends ¼-inch loop in center, 1½-inch Jap rings on outside pads.

**Pole Strap and Martingales.** 1½-inch slides and snaps furnished with breast straps.

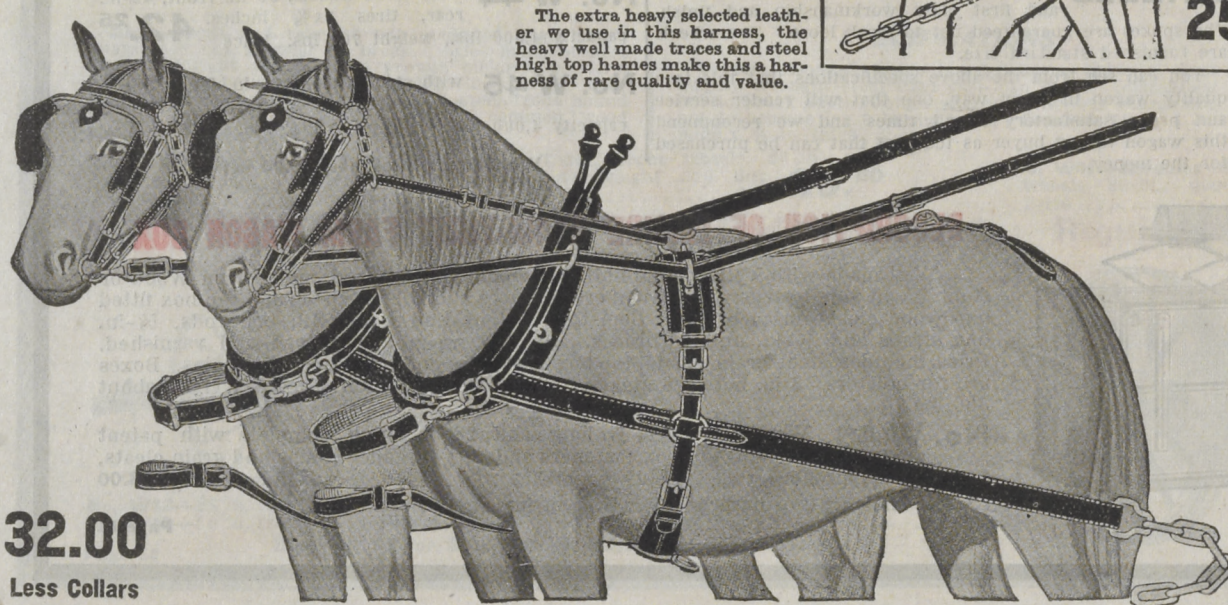
**Collars** are all black leather and well stuffed, open top.

Weight boxed for shipment about 50 lbs.

No. B 52. Harness without collars ..... \$25.25

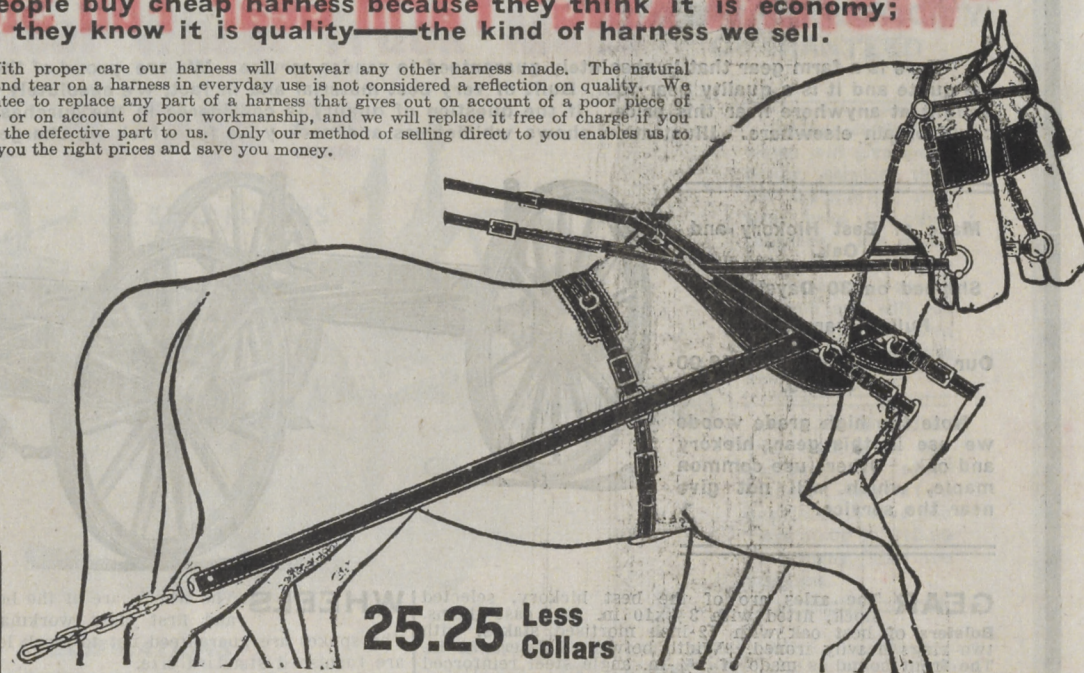
## Sampson Double Farm Harness

The extra heavy selected leather we use in this harness, the heavy well made traces and steel high top hames make this a harness of rare quality and value.



**32.00**

Less Collars



**25.25** Less Collars

## Sampson Farm Harness

**Trimmings.** Full XC white metal, Japanned steel bolt hames.

**Traces** are full length, 3 ply, 1½-inch, double and stitched right through, with 6 link heel chain.

**Bridles.** Open or closed, ¾-inch cheeks, plain leather or nickel fronts, nickel rosettes, stiff or jointed bits.

**Lines.** 1-inch full length, with buckles and snaps

**Pads.** 1½-inch tops, doubled and stitched, 3½-inch housing, lined with best English felt.

**Folded Belly Bands.** With 1½-inch layers.

**Back Straps.** ¾-inch wide with folded crupper dock and trace carriers.

**Cruppers.** Folded with ¾-inch buckles.

**Pole Straps and Martingales.** 1½-inch with slides and snaps.

**Collars.** Strong all black leather and well stuffed, open top.

No. B 53. 1½ inch harness, complete with collars, weight 80 lbs. . . \$32.00

No. B 53. 1½ inch harness, without collars, weight 80 lbs. . . . \$32.00

No. B 54. Same as above with flat pads and breeching . . . . . \$37.50

For 1½ in. traces add \$3.25.

SEE PAGE 55 FOR COLLARS



# "NORTHWEST" FARM HARNESS EXTRA VALUE

**\$37<sup>50</sup>** Japan and Brass  
TRIMMINGS

**QUALITY IN EVERY STRAP**

THE SPLENDID WEARING QUALITIES OF THIS HARNESS have been thoroughly tested by hundreds of our customers and we offer it on the strength of **their satisfaction**, at an unheard of low price, because we prefer big sales to big profits. The style of the harness is a **most popular** one and great care has been taken in selecting the leather that goes into it as well as in its manufacture throughout. **Every Strap Warranted.**

## SPECIFICATIONS

Trimmings—Japan and Brass, with Brass spots on bridle fronts and pads. BRIDLES  $\frac{3}{4}$ -in., long checks, flat side reins, sensible blinds, brass rosettes, spotted fronts. LINES, 1-in. full length with 1 snaps. HAMES, all steel, japanned with brass ball top, brass line rings, CONCORD BOLT TRACES,  $1\frac{1}{2}$ -inch., 3-ply, ring style, 7-link heel chain, extra long, BREAST STRAPS  $1\frac{1}{2}$  in. with slides and snaps, folded Belly Bands  $1\frac{1}{2}$  in., MARTINGALE  $1\frac{1}{2}$ -inch, PADS, flat harness leather, heavy felt lined, brass spotted, japanned drop hooks and terrets to buckle to ring in traces, COOPER trace carriers. Weight of harness packed for shipment, about 80 lbs.

**\$37.50**

No. B55. "Northwest" Farm Harness, Less Collars..

FOR PRICES ON COLLARS SEE PAGE 55.

As this allows you ordering whatever style collar you want, ALWAYS STATE SIZE WHEN ORDERING.

The  
Greatest  
Possible  
Value  
in a  
Harness

30 Days  
FREE  
TRIAL

## HEAVY BREECHING HARNESS

Another exceptional value in a high grade work harness. A very popular style of harness that will appeal to a great many customers. Has a number of features which will appeal to anyone requiring a heavy work harness. Only best quality material used in the making of this harness, and it is substantial in every respect. It is guaranteed to be satisfactory in every way and is sold on our regular guarantee and free trial. You can test this harness for thirty days and if at the end of that time you do not find it satisfactory or worth the price we ask for it, it will be your privilege to ship it back. Your money will be promptly refunded and you will not lose a single cent on the transaction. We will protect your interests in the purchase of this harness. Price is for harness without collars. Shipping weight, about 100 pounds.

BRIDLES— $\frac{3}{4}$ -in., long box loop cheeks, sensible harness, leather blinds, round winker brace, raised front, face piece spotted fancy rosettes, short flat side check, No. 47 ring bit

LINES—1-in. by 20 ft., buckles and billets with snaps.

BREAST STRAPS— $1\frac{1}{2}$ -in., 4-ft. 6-in. long with roller snaps.

MARTINGALES— $1\frac{1}{2}$ -in. single strap, doubled at buckle end, collar straps,  $\frac{3}{4}$ -in. Very best material throughout.

HAMES—Black bolt, brass ball top, heavy staple, link and ring, spread straps,  $\frac{5}{8}$ -in. with ring.

TRACES— $1\frac{1}{4}$ -in. 6-ft. long, 3-ply and stitched, with 6 link heel chain.

PADS—6-in. wide with  $1\frac{1}{4}$ -in. layer,  $1\frac{1}{4}$ -in. billet. Brass spotted.

BELLY BANDS—Folded,  $1\frac{1}{2}$ -in. full length layer and buckles.

BREECHING—Heavy, folded,  $1\frac{1}{2}$ -in. full length layer, box loop leadups, side straps 1-in., with snaps, lazy straps  $\frac{3}{4}$ -in., hip straps 1-in., double scalloped safes on leadups, rib straps 1-in., running to hames through loop on pad. Brass spotting as illustrated. Brass protectors over breeching buckles.

No. B54. Heavy Breeching Harness. Brass trimmed. Price, Less Collars..... **\$48.50**

FOR PRICES OF COLLARS see collar list page 55. We can furnish open bridles in place of blind bridles, if specified on order, at same price.

**\$48<sup>50</sup>**

YOU WILL FIND IT HARD TO BEAT  
THE QUALITY OF THIS HARNESS AT  
ANYWHERE NEAR  
OUR PRICE

FURNISHED WITH  
STRAIGHT TRACE  
IN PLACE OF RING  
TRACE FOR  
SAME  
MONEY



# NATIONAL SINGLE BUGGY HARNESS

**\$17.95**

**Nickel**

**\$18.95**

**Rubber**

## FACTS.

You would have some trouble buying a harness equal to this AT ANY PRICE. If you did buy one like it you would have to get it made to order. If you had it made to order it would cost you \$25.00 to \$30.00.

## ROYAL SINGLE BUGGY HARNESS

**\$13.25**

A Good Serviceable Driving Harness well worth the price, and for price and quality it cannot be surpassed. Every strap warranted.

**Bridle.**  $\frac{3}{4}$ -inch cheek, flat overcheck, patent leather square blinds, flat winker brace.

**Lines.**  $\frac{3}{4}$ -inch, all black, with Conway loops at bit.

**Breast Collar.** Folded with 1-inch layer, 1-inch double and stitched traces attached to breast collar.

**Saddle.** 2 $\frac{1}{2}$ -inch iron jockey, plain leather, stuffed bottom, double and stitched skirts and bearer.

**Shaft Tugs.**  $\frac{1}{2}$ -inch double and stitched, with billets.

**Belly Bands.** Single strap.

**Breeching.** Folded body, with  $\frac{3}{4}$ -inch  $\frac{1}{2}$ -inch hip strap,  $\frac{3}{4}$ -inch turnback, folded crupper.

**No. B 43.** Weight, 22 lbs. Price...

**13.25**

**Trimmings.** XC plate, nickel or japanned buckles, with brass hooks and terrets.

**Bridles.**  $\frac{3}{4}$ -inch all through patent leather, square blinds, round winker stays, flat cheek reins, jointed or straight bits.

**Lines.**  $\frac{3}{4}$ -inch full length, with billets.

**Harnes.** Low top steel clip,  $1\frac{1}{4}$ -inch Champion, three ply hame tugs, with double grip buckle,  $\frac{3}{4}$ -inch hame straps.

**Traces.** 1 $\frac{1}{2}$ -inch, three ply, doubled and stitched, with cockeyes.

**Pads.** 1 $\frac{1}{2}$ -inch top, with 1-inch layer and trace loops, patent leather housing, lined with blue felt, hooks and terrets.

**Belly Bands.** Folded, with 1-inch buckles.

**Pole Straps and Martingales.** 1 $\frac{1}{2}$ -ins., with snaps, team length.

**Cruppers and Hip Straps.**  $\frac{3}{4}$ -inch, with folded cruppers to buckle.

**Collars.** Black kip, russet face, well stuffed, open top.

**No. B 65.** With XC trimmings, Price..... **\$31.00**

**No. B 66.** Brass trimmings. Price..... **34.00**

**No. B 67.** Nickel trimmings. Price..... **34.50**

Price of Collars extra, \$3.00 each. State size.

Weight of harness, boxed for shipment, 65 lbs. Be sure to give size of collars wanted.

## QUALITY IN EVERY STRAP -- AN UNUSUAL BARGAIN

**Trimmings.** Nickel buckles, with solid nickel German silver hook and terrets, or imitation rubber buckles, with genuine rubber hooks and terrets.

**Bridle.**  $\frac{3}{4}$  inch, box loop cheeks, round winker braces, overcheck, with nose band, or side reins. Open bridle if wanted.

**Lines.**  $\frac{3}{4}$ -inch fronts, 1-inch russet hand parts, to loop in the bit.

**Breast Collar.** Folded body, with layer double and stitched full length, buckle and box loop, single neck strap.

**Traces.** 1 $\frac{1}{2}$ -inch raised, double and stitched, to buckle to the breast collar

**Breeching.** Folded body, with layer double and stitched the full length,  $\frac{3}{4}$ -inch single hip straps,  $\frac{3}{4}$ -inch side straps,  $\frac{3}{4}$ -inch double and stitched scalloped turnback, with round crupper sewed on

**Gig Saddle.** Single strap harness leather skirts, patent leather pad, double and stitched shaft bearers, Griffith style shaft tugs and bellyband. Weight of harness, boxed for shipment, about 25 lbs

**No. B 68.** Price of harness, with nickel buckles and solid nickel hook and terrets. Price. **17.95**

**No. B 69.** Price of harness, with imitation rubber buckles and genuine rubber hook and terrets. Price. **18.95**

**No. B 70.** Harness same as No. B 68, with half patent collar, nickel plated hames. Price. **21.00**

## Banner Democrat or Team Harness

**\$31.00** (Less Collars)

X C or Black Japan Trimmings

**\$34.00**

**NICKEL TRIMMINGS**



# HORSE COLLARS

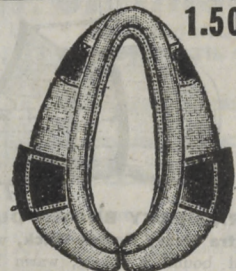
The collars shown on this page are quality collars in every respect, made in one of the oldest and best factories in Canada, a factory that is strictly modern and up-to-date. The filling is such as will positively not pack down and the collars will always be found soft and pliable and will conform readily to the horse.



35c

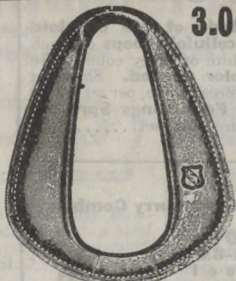


**THE RIGHT WAY TO MEASURE HORSE COLLARS:** Place rule in top of collar on the rim, and the number of inches to inside rim at throat will be the size needed. If you measure old collar, be sure it fits the horse as close at the throat as you want the new collar to fit.



1.50

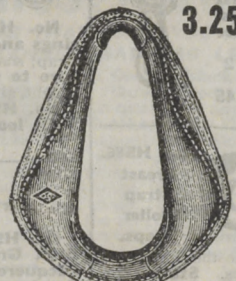
**Lankford Cotton Collar**  
This collar is made of good heavy duck, reinforced with leather at points of wear. Is stuffed with cotton fibre, that will not get hard. This collar is recommended to cure or prevent galls and sore shoulders. The cool, oily, springy cotton fibre and the open throat principle in the "Lankford" Cotton Collar take away all friction on neck and shoulders. Weight, about 10 lbs.  
**No. HS20.** Sizes 17 to 22. Price, \$1.50



3.00

## THONG SEWN

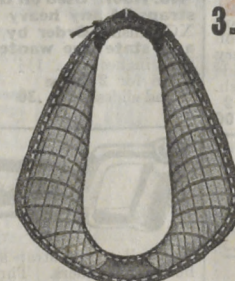
Here is a collar that is one of our biggest sellers and an exceptional value at the price quoted. Extended liners, russet face. This collar is thong sewed and has sole leather cap. On this style we use our double strength throat. It is hand finished and well made throughout. Draft, 16 inches. Be sure and state size wanted.  
**No. HS21.** Weight, about 8 lbs. Price, \$3.00



3.25

## THONG SEWN

An extra value in a Half Sweeney collar which has extended liners, russet face, thong sewed, sole leather cap, double strength throat, and hand finished. Has split rim and back. Another exceptional value in a good serviceable collar at a very low price. Draft, 15½ inches. Sizes, 17 to 22 inches. Be sure and state size.  
**No. HS22.** Weight, about 8½ lbs. Price, \$3.25



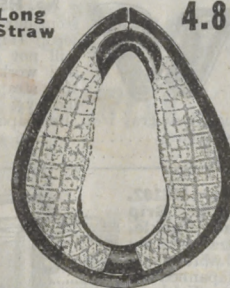
3.25

Our leader general farm collar and one of the biggest values in the way of horse collars ever offered. Long straw throat, thong sewn collar. Kersey face, black leather rim and back with wear leathers to prevent hame tug from wearing collar. Buckle top, sole leather collar pad. Furnished in sizes, 17 to 22 inches. Draft, 16 inches. Be sure and state size.  
**No. HS25.** Weight, about 8½ lbs. Price, \$3.25

## DEER HAIR LINED

Long Straw

4.85

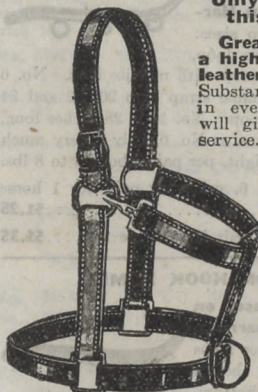


Here is another exceptional value in an extra high grade collar, and one that cannot be duplicated at the price quoted. Long straw, well stuffed, heavy wool kersey face or russet leather; deer hair lined, sole leather cap; heavy harness leather rim and back; hand finished. Draft, 18 inches. Sizes, 18 to 22 inches. Weight, about 10 lbs. Be sure and state size wanted.  
**No. HS24.** Long Straw Collar, kersey faced. Price, \$4.85  
**No. HS25.** Long Straw Collar, leather faced. Price, \$4.85

## 1¼ SEWN LEATHER HALTER

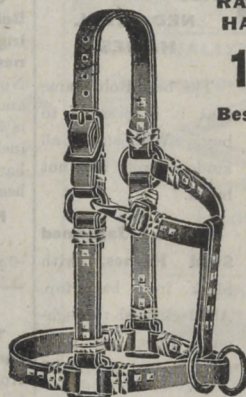
Only \$1.50 for this Halter

Great value in a high grade full leather halter. Substantially made in every way and will give the best service.



**No. HS26**  
Our Special 1¼-inch heavy black leather, 6-ring sewn halter. Price each, \$1.50  
**No. HS27**  
1¼-inch Economy Russet Halter. Price each, \$1.00

**No. HS28.** Black Leather Colt Halter. Each, \$1.25  
**No. HS29.** Side straps and bit snaps for making Halter Bridle. Per pair, \$2.50



## RAW HIDE HALTERS

1.40

Best Grade

**No. HS30**  
Big Value Rawhide Halter. Extra heavy, doubled and laced, 6-ring pattern. Snap on throat latch. Price each, \$1.40

**No. HS31.** Indian Tan Halter, raw hide laced. The strongest halter made, and one that will outlast any other halter. Price, each, \$1.75  
**No. HS32.** Black Leather Halter straps. 1-inch. \$1.45c



**No. HS33.** Team Bridles. Heavy and strong, Japanned finish, brass rosettes, brass spotted brow band, long check rein, jointed or stiff bits. Price, each, \$2.75



**Our Fine Open Bridle.** 5/8-inch box loop cheeks, layer on crown piece, overcheck with nose band or side rein, fancy front, nickel plated or Davis rubber trimmings. State choice. Shipping wt., 2½ lbs.  
**No. HS35.** Price, each, \$2.50

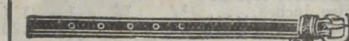


## TEAM PADS

top with one ring on each pad.  
**No. HS55.** Japan Trimmed Team Pads. Per pair, \$2.75

**No. HS57.** Web black band 4 inches wide, 1½-inch billet and buckles at bottom, extra large loops to take chain pipes. Price, per pair, \$1.40

Harness leather housings, 4-inch; felt lined, 1¼-inch, double and stitched billets and layer with Conway loops at ends, 7/8-inch strap over



**No. HS43.** Hame Straps, made from good heavy leather, with twin loop, 24 in. long. Shipping weight, 6 ounces. Size, inches wide, 7/8 1 1¼  
Price, each, .20 .25 .30

## Extra Heavy Breast Strap.



**No. HS45.** Our Fine Hand Made Team Breast Strap, made with two heavy leather loops. Heavy roller buckle. Shipping weight, 25 ounces. 1½ inches. Price, each, \$ .85  
1¾ inches. Price, each, 1.00  
2 inches. Price, each, 1.20

## HARNESS TRACES

GUARANTEED QUALITY



**Team Traces.** Double and stitched, two row stitching. Made of good solid harness leather with 6-link 18-inch heel chain, for bolt hames.  
**No. HS75.** Size 1½-inch by 6 feet 4 inches long. Price per set of four, \$13.25



**No. HS78.** Team Traces with ring, 18-inch heel chain. Double and stitched two rows stitching, fitted for bolt at one end. Heavy bellyband billets 1½-inch. Per set for two horses, \$14.25



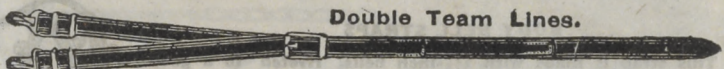
**No. HS47.** Pole Strap or Martingale. Made of extra heavy leather, with roller buckle and loop on one end, and loop and ring on the other; made in three sizes. No collar strap. Shipping weight, 1 lb. 9 oz. 1½ inches. Price, each, \$ .80  
1¾ inches. Price, each, .95  
2 inches. Price, each, 1.10

## Team Bellybands.



**No. HS50.** Team Bellyband, folded and stitched; 20 inches long. 1½ Inch Team Bellyband. Price, each, \$ .75  
1¾ Inch Team Bellyband. Price, each, \$ .85

## Double Team Lines.



Realizing the importance of having the best quality material enter into the construction of this part of the harness, we have insisted upon supplying our customers with the best quality lines that can be put out.

**No. HS85.** 1-inch wide. Price, per set, for 2 horses, \$4.75  
**No. HS86.** 1½-inches wide. Price, per set, for 2 horses, \$5.50

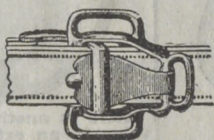


**Breast Strap Slides**

**No. HS101.** Made from our special pattern. It fits the strap, will not cut at loop and works easily on the strap. A very heavy slide, wide flange, best gray iron, fine japanned finish.

Size, inches.....	1 1/2	1 3/4	2
Price.....	.04	.05	.06

**No. HS102. Double Grip Trace Buckle.** Extra heavy XC white metal or japanned finish. Used on heavy farm harness.



Size	Inches	Finish	Price	Size	Inches	Finish	Price
1 1/2	XC		.10	1 1/2	Japanned		.11
1 3/4	XC		.15	1 3/4	Japanned		.16

**This buckle is used by the leading harness makers.** Has a heavy roller on front bar; made in Japan or XC; sold by the dozen. Known as No. 50 Roller Buckle.

**No. HS103. XC or Japanned Roller Buckles, No. 50—**

Size, inches.....	3/4	7/8	1	1 1/4
Price, per dozen.....	.10	.12	.20	.20
Size, inches.....	1 1/4	1 3/4	2	
Price, per dozen.....	.25	.30	.35	

**Made of fine quality of iron.** This ring is used in the manufacture of all kinds of harness and halters and any other kind of work that wants good iron rings. Diameter of ring is the size.



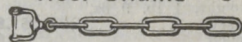
**No. HS104. Japanned Wrought Harness Ring—**

Size of wire.....	No. 4	No. 3	No. 2	No. 1
Size of ring.....	1 1/4	1 1/2	1 3/4	2
Shipping wt., oz.....	12	15	17	32
Per dozen.....	.10	.12	.15	.20



**No. HS105. Used in repairing old harness or in making new harness.** Made out of malleable iron; a strong, heavy cockeye.

Size, inches.....	1 1/4	1 1/2	1 3/4	2
Wt., per doz. lbs. 2 1/4	2 1/4	3	3 1/4	5
Price, per doz.....	.35	.40	.50	.55

**Heel Chains "6" Links.**

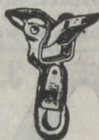
**No. HS106. Special.** Made with screw dee and swivel; 5-16 inch wire, six links long. Can be easily put in any trace that you wish to use it on. Made in three sizes—

Size	Inches	Weight	Lbs.	Price per Set of 4
1 1/2		5		.50
1 3/4		5		.55
2		5 1/4		.60

**Combination Neckyoke Snaps and Slides**

**No. HS87. Used on the breast straps of any heavy harness.** XC finish. Order by number and state size wanted.

Size, inches.....	1 1/2	1 3/4	2
Price for 2 snaps and slides.....	.30	.35	.45



**No. HS86. Breast Strap Roller Snaps.**

Will roll on the strap and take the jar off the horses' shoulders. Three sizes. State size.

Size, inches.....	1 1/2	1 3/4	2
Price for 2 snaps.....	.25	.30	.35

**CHAMPION Flat Spring Harness Snaps.**

**No. HS83. This snap is very popular** and is considered the best snap on the market to-day. The 7/8 and 1-inch snaps are used on lines and side straps. The 1 1/4, 1 1/2, 1 3/4 and 2-inch snaps are generally used on breast straps.

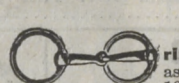
Size	Per Doz.	Price	Size	Per Doz.	Price
3/4-inch.....		.20	1 1/4-inch.....		.40
7/8-inch.....		.22	1 1/2-inch.....		.45
1-inch.....		.25	1 3/4-inch.....		.55
			2-inch.....		.65

**ROPE SNAP**

**No. HS85. XC finish.** Polished on the loop and milled at the nose of the hook. Every snap is thoroughly tested.



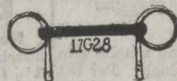
Size.....	5/8	3/4
Price per dozen.....	.30	.35



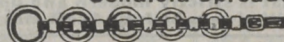
**Jointed Bridle Bit**  
**No. HS112. 2 3/4-inch ring.** XC plate. Known as No. 47. Shipping weight 10 ounces. Each.....**.10**

**Style No. 90 Solid Head Bit**

**No. HS111. 3-inch loose ring, solid head and mouth.** XC plate. Known as No. 90. Shipping weight, 17 ounces. Each.....**.15**



**No. HS113. Nickel Driving Bit.** Solid cheeks, stiff or jointed. Each.....**.25**  
**No. HS110. Halter Bit Snaps.....**2 for **.05**

**Celluloid Spreaders.**

**No. HS92. Made of five celluloid rings and nine celluloid loops on each strap; snap, all white or fancy colors. Be sure to state color wanted.** Shipping weight, about 6 ounces. Price, per set **\$.50**  
**No. HS92a. Four Rings Spreader with loops.** Price, per set.....**\$.150**

**Perfection Steel Curry Combs**

**No. HS107. Our Back Grasp Six-Bar Lacquered Steel Comb,** with mane comb, riveted through handle. Shipping weight, 16 ounces. Price, each.....**.15**

**Our Dandy Curry Comb**

**No. HS108. Five bars, closed back, black finish with improved double wire shank handle and riveted.** Shipping weight 10 ounces. Price, each.....**.10**

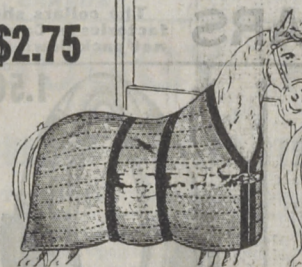
**Reform Curry Comb**

**No. HS109. Steel comb,** with leather handle. Shipping weight, 10 ounces. Price, each... **.20**

**Special Horse Brush**

**No. HS110. Special Grade of India Fiber Horse Brush.** Double wood back, screw top, highly polished. 10 1/2 inches long by ends. Shipping weight, about 15 ounces. Price, each... **.25**

**No. HS110. Special Quality Extra High Grade Rice Root Horse Brush.** Size of brush, 10 inches long and 2 3/4 inches wide; double polished top, pointed ends, leather thumb and finger guards. A strictly high grade brush. Shipping weight, 17 ounces. Each.....**.40**

**\$2.75****\$2.00****EXTRA HEAVY BROWN DUCK**

**Our Extra Heavy Brown Duck,** with full lining and bound; a strong, warm blanket; adjustable webb stay on straps, shaped at neck, snap fastenings; size, 80 inches. Price, each.....**\$.75**

**Extra Heavy White Duck Blanket**

A blanket to suit the Western winter conditions. Heavily lined, gusset neck, length 80-in., width 70-in., complete with patent stay on attachments. The finest blanket you can buy. Price, each.....**\$3.00**

**HEAVY WARM HORSE BLANKET**

**No. HS209.** Good heavy, warm horse blanket, made of woven cloth, printed, back plaided, with snap front and stay on straps; length 80 inches. Price, each **\$.00**

**No. HS211.** Fancy striped jute blanket, webb stay on attachments, shaped at neck, length 72 inches. Price, each.....**\$.150**

**CONCORD BOLT HAMES**

**Our Special Concord Bolt Hame** used in making Concord Team Harness. We sell two sizes:



No. 6 with mortise loop, and No. 10 extra heavy with mortise loop. No. 6 is 25 inches long, hame strap loop 20, 22 and 24 inches from lower loop. No. 10 is 28 inches long, hame strap loop same as No. 6, only a very much heavier hame. Weight, per pair, about 6 to 8 lbs.

**No. HS40.** No. 6, price per pair, for 1 horse.....**\$1.25**  
No. 10, price per pair for 1 horse.....**\$1.35**

**COMMON HOOK HAMES**

**This Hame is used on common chain harness.**

Iron back, with three loops for hame straps, heavy hook, hame loop at bottom. This hame will fit small size collar, 16 to 20 inches long. Varnish finish. Weight, per pair, about 4 pounds.



**No. HS41.** Price, per pair, for 1 horse..**\$1.00**

**BODY BELL STRAPS**

**This strap is made with 1 1/8-inch bells, riveted to a good heavy leather strap.** The most popular type of sleigh bells furnished. They are rolled nickel-plated and have a clear ringing tune. Shipping weight, 1 pound 15 ounces.

**No. HS1050.** Price of strap of 30 bells.....**\$.65**

**No. HS1051.** Price of strap of 40 bells.....**\$2.00**





# Cow Chains, Halter Chains, Leather Punches, Riveters and Horse Clippers

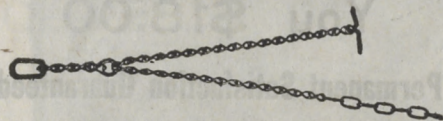
FIRST QUALITY DEPENDABLE GOODS AT PRICES THAT SAVE YOU MONEY  
STEEL WIRE TIE OUT COW CHAINS



## STALL FIXTURES

No. 5D5700. Made of ½ Round Iron Polished. Length over all, 13 inches. Ends made to take ¾-in. bolts. State length of bolts wanted when ordering. These fixtures are for use only with our special cow tie. No. 5D5701 shown below. Price of stall fixtures each, with bolts. .15c

## SPECIAL COW TIE

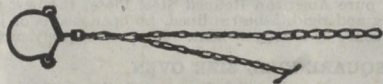


Extra strong and safe. Has smooth links and will not tangle, as it has swivel link. Easily put on and taken off. Use our stall fixture No. 5D5700 with this cow tie.

No. 5D5701. Size 2-0, for ordinary size cows. Weight, about 1¼ lbs. Price.....20c

No. 5D5702. Size 3-0, for large size cows. Weight, about 1½ lbs. Price.....25c

## OPEN RING COW CHAINS With Swivel Link

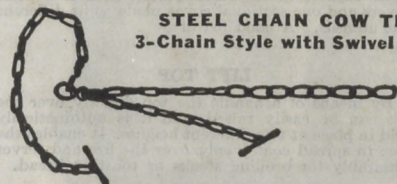


No. 5D5703. Size 2-0. Price, each.....20c

No. 5D5704. Size 3-0, suitable for all ordinary cattle, as they are heavy and substantial. Price, each.....25c

No. 5D5705. Size No. 4-0. Made extra large and strong for extra heavy or restless animals. Price, each.....30c

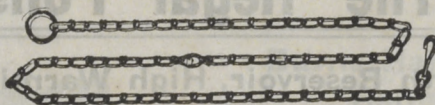
## STEEL CHAIN COW TIES 3-Chain Style with Swivel Link



Made of hard steel wire. A strong, safe chain at a low price. With two toggles. Shipping weight, 10 ounces.

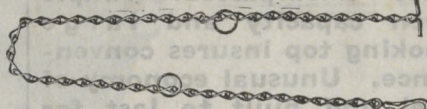
No. 5D5706. Size 2-0. Price, each.....20c

No. 5D5707. Size 3-0. Price, each.....25c



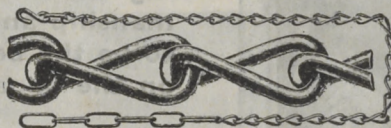
Light, but strong enough to hold any cow. Stake ring 2½ inches in diameter on one end, a steel swivel snap on the other and a swivel in the center. Length, feet.....30 40  
Weight, about, lbs.....2¼ 3¼  
No. 5D5708. Price.....65c 75c

## HALTER CHAINS



American Halter Chains. Cut from fine steel. One of the strongest and best halter chains made, there being absolutely no welds to give way. Made with snap, swivel and toggle, and when fastened will not slip. Shipping weights, about 1¼ lbs. and 1½ lbs. No. 5D5709. 4½-ft. halter chain. Price.....20c  
No. 5D5710. 6 -ft. halter chain. Price.....25c

## BEST QUALITY STEEL CHAIN TRACES



No. 5D5711. Length 6½ feet. Price per pair (for one horse).....55c

No. 5D5712. Length 7 feet. Price per pair (for one horse).....65c

## Chain Piping.



No. 5D5713. Heavy Chain Piping. Made of fine barn tanned leather, put up in sets of four for two horses. Round ends, made in three sizes. This is the best chain piping made. Weight, about 4½ lbs. Length, feet.....3 3½ 4  
Price, set of 4.....\$2.00 \$2.25 \$2.75

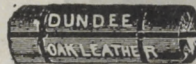
## HEATER OR FOOT WARMER



No. 5D5714. "Tropic" Triangular Heater or Foot Warmer. Metal sliding drawer for coal, damper for regulating heat, wrapped with double asbestos paper, carpet covered. Size, 14 inches long, 8 inches wide, 5 inches high. Shipping weight, about 7 lbs. Price, each.....\$2.25

No. 5D5715. Perfect Prepared Coal for Above Heaters. Size of bricks, 7½x2½x1¼ inches. Put up in boxes containing one dozen bricks. Shipping weight, per box, about 7¾ lbs. Price, per box.....75c

## BEST OAK-TANNED HARNESS LEATHER



Color, black only. Guaranteed the equal in quality of any harness leather sold. Plump, well tanned, thoroughly curried, well finished, will wear long and give excellent service. Our different grades of harness leather are selected from packers' steer hides; weights run from 16 to 24 pounds per side. We will send you as near the weight you order as we can. Owing to the uncertainty of the leather and hide market, the prices on leather is subject to change without notice.

No. 5D5716. A grade, oak tan leather. Per lb. .65c  
No. 5D5716. B grade, oak tan leather. Per lb. .60c  
No. 5D5716. Leather cut in strips for repair work. Per lb.....70c



The Farmers' Special Harness Mender or Repair Kit

No. 5D5717. This repair kit is complete so anyone can repair his old harness or make a new set. The set includes the following items and is sold complete only, no parts being taken out. Shipping weight, about 15 pounds.

- |   |                                      |
|---|--------------------------------------|
| 1 Wood Clamp for Holding the leather to stitch. | 1 Edging Tool.                       |
| 1 Round Knife.                                  | 1 Hollow Handle Tool Set.            |
| 1 Gauge Knife.                                  | 1 Collar Awl.                        |
| 1 4-Tube Punch.                                 | 1 Lever Riveting Machine.            |
| 1 Square Point Trimming Knife.                  | 1 Box Tubular Rivets for machine.    |
| 1 Paper of Needles.                             | 1 Pair of Pliers.                    |
| 1 Ball of Thread.                               | 1 Bench Vise and Anvil; 1½-inch jaw. |
| 1 Ball of Wax.                                  |                                      |
| 3 Awls and Handles.                             |                                      |

No. 10P7672¼. Price.....\$7.25

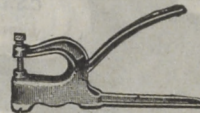
## SADDLERS' HOLLOW DRIVE PUNCH



No. 5D5718. Best tool steel, highly tempered ends. Size 8. Weight, about 4 oz. Price.....10c

## LEVER RIVETING MACHINE

No. 5D5719. A strong well made riveting machine at a very low price. Usually sold elsewhere for 65 cents. Quick, convenient and strong. Tubular rivets below suit this machine. Solid rivets cannot be used. Weight, about 4 pounds. Price.....50c



## JAPANNED TUBULAR STEEL RIVETS.

For use with the riveting machine on this page or any similar riveting machines. Full size, full weight and full count. Weight, about 2 oz. No. 5D5720. Assorted lengths. 3-16 to ½ inch. 50 rivets in box. Price per box.....5c

## STEWART HORSE CLIPPER

\$8.00

BEST HORSE CLIPPER MADE

RUNS EASY CUTS CLEAN



No. HS120. Weight, 55 pounds. Price.....\$8.00

Extra plates for top.....\$1.25

Extra plates for bottom.....\$1.75

No. HS121. Sheep Shearing Machine. Weight 75 pounds. Price.....\$12.50

## SHEEP SHEARS



No. HS122. Double bow. Straight back and edge. Full polished blades. The shape and style used by professional shearers of the west. The Shipping weight, 20 ounces. Price.....\$1.25

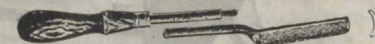
best sheep shears made. Length of blade, 7 inches.

The Best, Our Improved Ball Bearing HORSE CLIPPERS, \$1.75



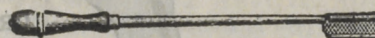
No. HS119. An improvement on the Newmarket. The top cutter runs with ball bearing action. This makes the clippers work easily and cut smoothly. The cutting parts are highly tempered tool steel. Shipping weight, 22 ounces. Price.....\$1.75

## HORSE TOOTH FILES HIGH GRADE JOINTED FLOAT



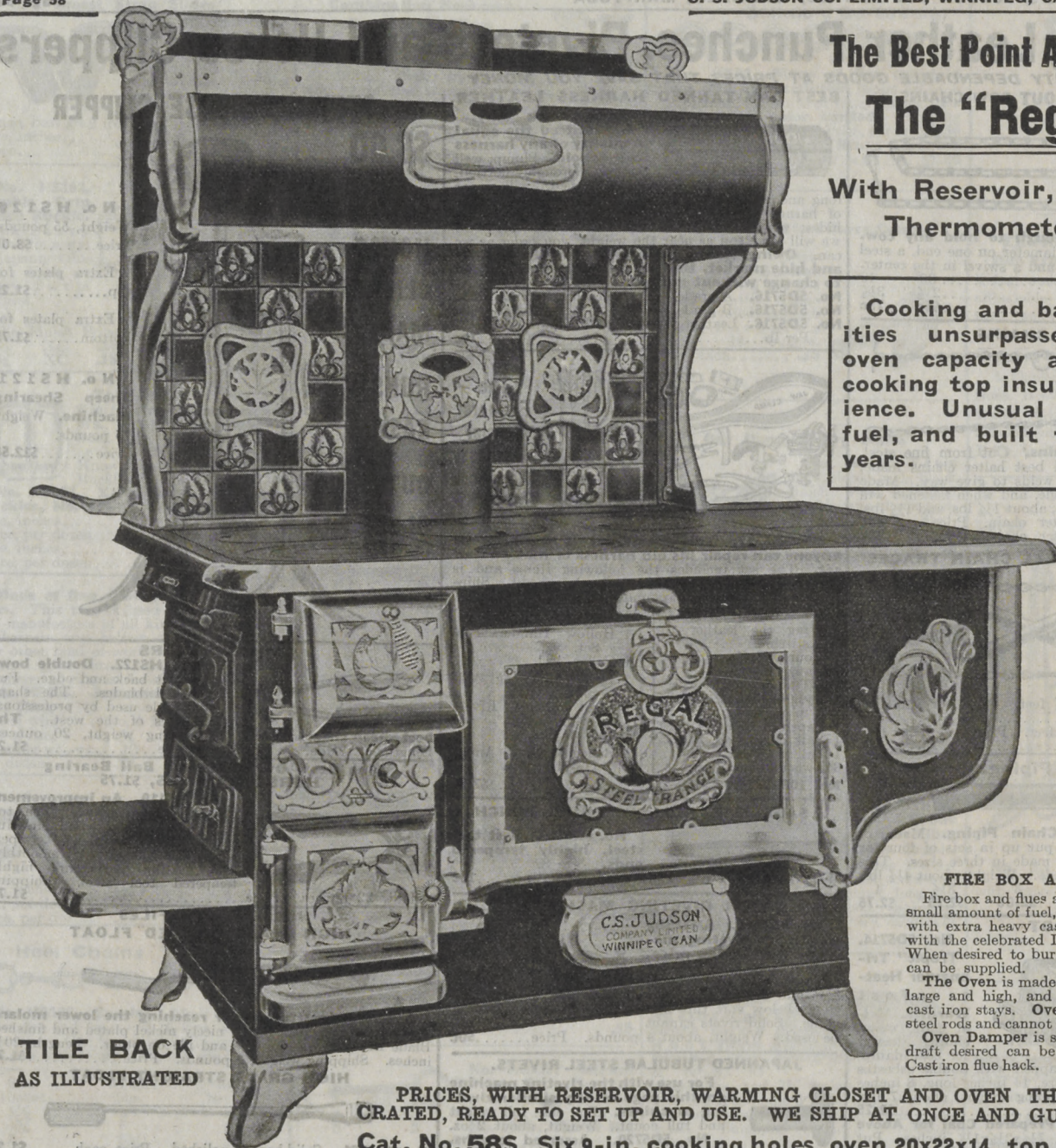
A perfect instrument for reaching the lower molars. Jointed shank. Well made, nicely nickel plated and finished. Blade has rasp on one side and file on other. Length, 20½ inches. Shipping weight, 2 pounds. Price.....\$1.75

## HIGH GRADE STRAIGHT FLOAT



No. 5D5721. Solid handle, polished. Price, each.....\$1.25  
No. 5D5722. Horse Mouth Speculum. Price, each.....\$5.50





**TILE BACK**  
AS ILLUSTRATED

## The Best Point About This Range Is Its Unequalled Durability

# The "Regal" Polished Steel Range

With Reservoir, High Warming Closet, Oven  
Thermometer and 22-inch Oven

**\$43.50**

Cooking and baking qualities unsurpassed. Ample oven capacity and large cooking top insures convenience. Unusual economy of fuel, and built to last for years.

**BURNS ANY KIND OF FUEL**

**Our Price on this  
Range Saves  
You \$18.00**

**Permanent Satisfaction Guaranteed**

This range is made in every detail according to the very highest standard of workmanship and proven by many years of service to be the best value in a large steel range on the Canadian market.

### BODY

Made of extra heavy and pure American Refined Steel Plate, the best to be had at any price. Built strong and rigid, asbestos lined, no open seams or joints to rust out, permit leakage of ashes or escape of heat. Made absolutely airtight.

### LARGE SQUARE FULL SIZE OVEN

Constructed with great care, so that it will bake to perfection with the least possible labor and fuel. No oven ever baked more evenly or quickly with as little fuel. **Oven Door** is strong, solid and extra heavy; cannot shut suddenly, and opens level with the oven bottom, forming an extension shelf on which to draw out and turn a roast without having to lift it.

### FIRE BOX A VITAL FEATURE

Fire box and flues assure perfect operation with a small amount of fuel, is straight, very roomy, lined with extra heavy cast sectional linings and fitted with the celebrated Duplex grate, also wood grate. When desired to burn wood only, flat wood grate can be supplied.

**The Oven** is made of heavy wrought steel, extra large and high, and is well braced with heavy cast iron stays. **Oven Rack** is made of wrought steel rods and cannot be easily broken.

**Oven Damper** is so arranged that a half or any draft desired can be turned on or off the oven. Cast iron flue hack.

### COOKING TOP AND COVERS

Extra heavy and ribbed for durability, made from highest grade stove plate. Has five solid covers and one sectional cover made to fit different size utensils. A good feature.

### LIFT TOP

By means of a handle the top directly over the fire can be easily raised, and it is automatically held in place at two different heights. It enables the user to spread coal evenly over the fire and serves admirably for broiling steaks or toasting bread.

**PRICES, WITH RESERVOIR, WARMING CLOSET AND OVEN THERMOMETER, BLACKENED AND POLISHED, STRONGLY CRATED, READY TO SET UP AND USE. WE SHIP AT ONCE AND GUARANTEE SAFE DELIVERY.**

**Cat. No. 58S. Six 9-in. cooking holes, oven 20x22x14, top 52x29½. Shipping weight 630 lbs. - Price \$43.50**



# "VICTOR" Polished Steel Range

Complete With Reservoir, Oven Thermometer and High Warming Closet, only

**42.50**

Burns Hard Coal, Soft Coal or Wood Better Than Highest Priced Ranges of Most Dealers. Our Price Saves You Money.

## Bakes and Cooks Perfectly and Economically

The saving of \$16.00 on this range makes our "VICTOR" an unusually worth-while purchase and remember you are absolutely protected by our iron-clad guarantee.



**Cat. No. 59S.**—Six 9-in. holes; oven, 20 x 20 x 13 in.; size of top, 49 x 28; length of fire box for wood, 24 in.; capacity of reservoir, 22 quarts; shipping weight, 560 lbs. Price **42.50**  
Price is for stove on legs, nickel-plated base \$2.00 extra

### CONSTRUCTION OF THE VICTOR STEEL RANGE

**Body.** Made from high-grade Wellsville Polished Steel, with all parts exposed to the heat, double walled with an interlining of asbestos. **HAS CAST IRON BACK FLUE** which is rust proof. **Main-Top** is cut in four pieces, to allow for expansion from heat and contraction from cold. **Has Key Plate Top**, and we furnish one Sectional Cover for use with small utensils. **Fire-Box** is well proportioned and strongly built. **The Duplex Grate** can be used successfully with any of the fuels specified above. To burn wood, reverse this grate, leaving the **Flat Side** Up and take out the front end fire-box lining. The

**Coal-Feed Door** at the left end is ample. The **Wood or Front Feed Door** swings out of the way when open.

**Oven** is square and of good size. Bakes and cooks perfectly in all parts. The measurements given above are actual. Has inside slide rack. **Oven Door** is well balanced and forms a shelf when open.

**Ash-Pit.** Fitted with a full-sized, well-made bailed **Ash-Pan**.

**Reservoir Casing.** Made of cast iron and the top is flush with the main top of range. **Reservoir Tank** is extra heavy copper.

**Warming Closet.** Well built and very useful. Has a **Back Guard** on top and the door slides out of way when open.



# TRIUMPH STEEL RANGE

WITH SIX-HOLE COOKING TOP, HOT WATER RESERVOIR AND WARMING CLOSET. BURNS COAL, COKE OR WOOD. PRICE

**28.50**

**OTHERS ASK  
\$10 MORE  
FOR THIS  
QUALITY**

## A Heavy, Well Built Range at a Low Price

Notwithstanding our very low price, this range compares favorably with ranges sold by other dealers at much higher prices, in durability, quick baking, fuel saving, correctness of construction and strict attention to detail.

**No. 60.**—Four 9-inch and two 7-inch cooking holes; top 38 x 26 inches wide; oven 18 x 20 x 12 1/2 inches; capacity of reservoir, 22 quarts. Complete as illustrated. Shipping weight 380 lbs. Price ..... **28.50**

## GUARANTEED FOR DURABILITY AND SATISFACTORY SERVICE

**THIS RANGE IS MADE FROM THE HIGHEST GRADE OF POLISHED STEEL  
HEAVILY LINED WITH ASBESTOS AND REINFORCED WITH CAST IRON**

**COOKING TOP AND COVERS** are so made that strength and rigidity are given. Every piece casting that we use is carefully tested; has five covers and one nest or graduated lid, which is convenient for the use of small cooking utensils. A very desirable feature, always appreciated.

**LARGE OVEN** has plenty of room for baking and roasting, is quick to act and absolutely satisfactory to the user.

**OVEN DOOR** opens down, forming a convenient shelf. A good feature.

**TRIMMINGS.**—The doors and trimmings as shown in the cut are heavily nickel plated and very highly polished.

**TOP.**—The top is made in sections with removable centres and is 38 inches long by 26 inches wide, in addition to detachable extension shelf on the back end.

**FIRE BOX.**—Fitted with Duplex grate for hard or soft coal or wood, and is lined with heavy cast iron fire linings, ventilated to prevent warping.

**DAMPERS.**—Pipe damper for checking the draft to save fuel is very tight fitting and is a positive check. The oven damper is in the smoke chamber, made of solid iron and never burns out. Operated from top of range. Reservoir damper is hung in cast iron frame. Turn forward to heat tank, backward to heat oven.



All our Stoves and Ranges are made in one of the oldest and best stove plants in Canada. Thousands of these are in use, giving perfect satisfaction, that is why we give you a quality guarantee or all your money refunded if not satisfactory. **WE SELL ONLY THE VERY HIGHEST GRADE OF MERCHANDISE. SEE PAGE 4**



# "PERFECT" HOT-BLAST HEATER

BURNS HARD OR SOFT COAL, SLACK, LIGNITE,  
SIFTINGS OR CRUSHED COKE

9.00  
TO  
13.50

FIRE  
BRICK  
LININGS

## TWO FIRES FROM THE SAME FUEL

The special hot blast construction makes our Perfect a very efficient heater. It burns the smoke, soot and gases of soft coal, cokes the coal, controls the fire, with little attention from the user. This feature insures the greatest amount of heat from little fuel and makes it easy to keep fire over night.

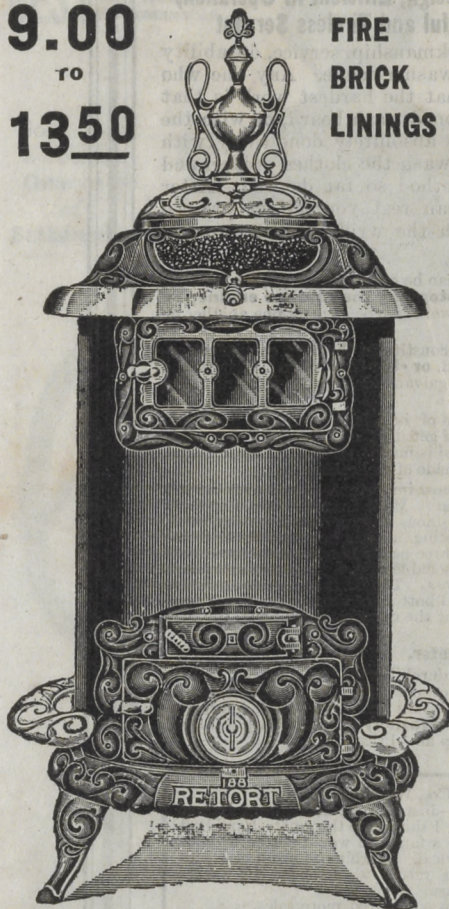
**Construction.** The down draft, or Hot Air Tube is placed securely in the crown or top of the stove. It carries the air directly down upon the fire and secures perfect combustion. This current of air is rapidly heated as it reaches the fire and mixes with the gases and smoke, thus rendering them more combustible and insuring that a large percentage of both is consumed. A slide damper closes or opens the top of the hot air tube. A slide check-draft damper is always placed behind and below the pipe collar. Extra heavy grate is used. This has solid center, and is easily revolved for shaking down the ashes. The ash, or draft door swings, making a large opening, so ashes can readily be removed. This door is absolutely air tight. New nickel cup screw-draft damper controls the lower draft.

Is easily regulated. Doors and dampers are perfectly fitted. Very attractive, and for both neat appearance and satisfactory heating has no equal for parlor, living room or office

**Swing Door** is large, and makes it easier to clean out the ashes than on any other stove fitted with lift or drop door. Pouch feed and upper door.

**Cast Bottom** and heavy cast brackets, feet and door frame insure strength and durability. Every part is joined together solidly. **Quick Draft.** A positive direct draft insures quick heating, and there is no other stove on the market that will excel this one in the amount of heat or in the length of time it will retain fire if dampers are closed. **Heavy Fire Pot and Lining.** We use the heaviest fire pot, with grate on lower edge that is made. The brick lining extends well up above the surface of the fire. The top of the body is steel lined. **The Body** is made of fine polished blue steel, and presents a splendid appearance. It is accurately and substantially fitted, and every cast part is ground to insure air-tight joints.

**The Design** is strictly new and much handsomer than that of any other hot blast. The design of the base is massive, but very neat. The top casting is heavy, but very trim, and strictly a new design. **Fine Nickel Trimming** includes the fenders, screw-draft, nickel ring around top, fancy ornamental urn furnished. The very best grade of silvered nickel trimming is extra well buffed and polished, making the stove one of the handsomest in any home.



Catalogue No.	Diameter of Fire Pot	Height	Weight	Price
L4	12-in.	50-in.	150-lbs.	\$ 9.00
L5	14-in.	51-in.	175-lbs.	12.00
L6	16-in.	55-in.	210-lbs.	13.50

# "FAIRY" OAK HEATER

BURNS ANY KIND OF FUEL, HARD OR SOFT COAL  
COKE, COBS, CHUNKS, WOOD, KNOTS OR BLOCKS

5.50 to 11.00

MADE IN FOUR SIZES  
and offered at prices that give  
more actual stove value for your  
money than you can possibly  
buy elsewhere.

**Description.**—Body made of polished heavy cold rolled steel fitted absolutely airtight.

**Fire Pot** made of heavy cast iron, ribbed and carefully fitted to insure the greatest economy in the use of fuel. **Grate** is made extra heavy, fitted with draw center. It is easy to clear the fire pot of clinkers and ashes in the least possible time. **Cooking Hole.** Underneath the swing top is large lid which may be easily removed for heating water and other purposes. **Ash Pit** is good size, made in one solid piece, absolutely airtight, and fitted with full size heavy well-made ash pan.

**Feed Door** made in one piece large enough to take big chunks of wood when that kind of fuel is used. All parts are carefully ground and fitted.

**Nickelled Parts.** Broad top band, fire pot skirting which may be easily lifted off for cleaning, urn, name plate, screw draft, ash pit door register.

All sizes take 6 inch pipe except the largest size, which takes 7 inch.



6 in. Stove Pipe 10c. per Length, 7 in. 11c. per Length, Elbows 15c. each, Damper Pipe, 18 in. long, 20c. each.

Catalogue No.	Diameter of Fire Pot	Weight	Height	Price
N1	10-in.	65-lbs.	36-in.	\$ 5.50
N2	12-in.	85-lbs.	40-in.	6.50
N3	14-in.	100-lbs.	42-in.	8.00
N4	16-in.	140-lbs.	45-in.	11.00



WINNIPEG

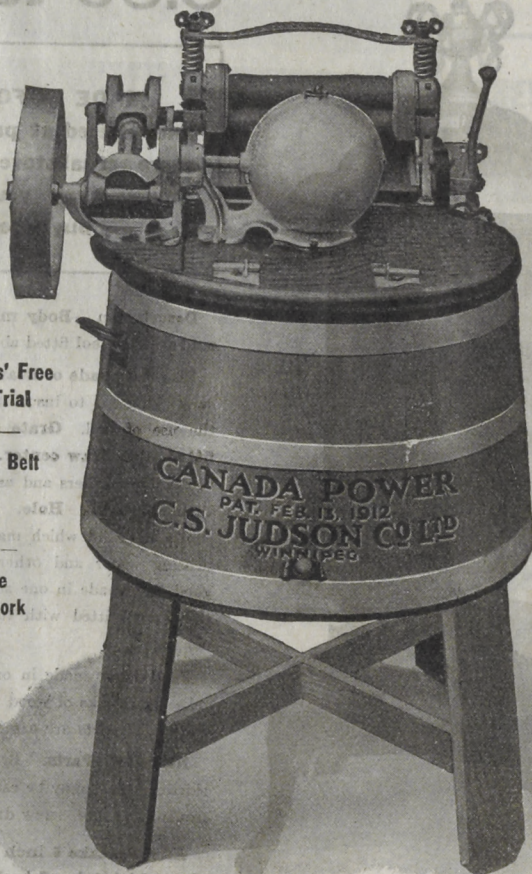
C. S. JUDSON CO LTD

CANADA

\$21.50

Complete with Ball-Bearing  
Wringer

Usual Retail Price, \$32.00

30 Days' Free  
Home TrialSlip the Belt  
on Your  
EngineNo More  
Hard Work

We have thousands of satisfied users of this Machine. We can satisfy you.

Page 62

## Canada Hand and Power Washer

The most approved type of Washer on the Market. Simple in Design, Efficient in Operation,  
Belt to any Gasoline Engine or Line Shaft. A True, Faithful and Tireless Servant

**R**EMEMBER the simple construction, quality of material, workmanship, service, durability and extreme low cost for operating makes this the best washer made. Any one who has ever had anything to do with laundry work, knows that the hardest work is that of washing the clothes, whether done by rubbing over the old-fashioned wash board, or with the assistance of a hand power machine. All of this hand work is absolutely done away with when you have a "Canada Power" washer, as this machine will wash the clothes quicker and better without any effort on your part than with any other method so far devised. After you have closed down the lid and turned on the power, you can rest yourself or proceed with other work until you are ready to run the clothes through the wringer. Five to ten minutes will suffice to clean the clothes thoroughly.

**Wash and Rinse at Same Time.** The only washer designed so that the lid can be opened or closed, the washing dolly started or stopped, and the wringer started, stopped, and reversed **without stopping the gasoline engine**; by simply lifting the cover it throws washer out of gear, and the washer and wringer work independent of one another or together just as you desire.

**Patented Wringer Attachment.** See that small lever at side? That lever constitutes the most convenient arrangement ever thought of. By just touching it wringer will run backward, forward, or **stop instantly**. Wringer has metal frame, ball bearing, **5 years' guarantee**, rubber rolls, all gears enclosed, galvanized hinged dripboard under wringer to save any water from going on the floor.

**Enclosed Gears.** In the "Canada" Washer every moving part, with exception of belt, is housed and enclosed, in such a manner as to positively remove all danger to the operator, and all chance of getting the clothes torn or caught. The gear that runs the dolly has roller cogs throughout, with reverse mechanism, and is made to stand the hardest kind of wear and tear. All metal parts on this machine that are subject to a strain are made of malleable iron.

**Construction of Tub.** Next to a good mechanism, the tub is no doubt the most important. Look over the tub of the "Canada" Washer and you will notice that it is well constructed throughout. Made from the best Louisiana Red Cypress, which is not affected by acids or by hot or cold liquids, is of non-resinous nature, does not taint, odor, nor does it discolor the contents. It holds its shape well and is practically everlasting, as it is less susceptible to rot than any wood known. Each stave is tongued and grooved and held in place by three heavy hoops, which are driven on by means of special machinery, exerting a pressure of five tons, insuring, with reasonable care, tight joints and hoops at all times. The legs, as will be noticed, are extended stave and braced by a cross. The lid is of double thickness and fits tight on the tub, preventing escape of steam and odor. The inner sides and bottom of the tub are deeply corrugated, so as to afford the largest rubbing surface possible. Thus we have, without the question of a doubt, the best tub made, and which, with proper care, will last practically a lifetime.

**Size of tub, inside measurements, 12 ins. deep and 22 1/4 ins. diameter.**

**The Finish.** Although this has little to do with the strength and durability of the machine, it is in place, however, to mention a few words in reference to same. The tub proper is finished in natural color of the wood, the hoops and the entire mechanism in aluminum bronze, the best and most lasting finish thus far applied on any washing machine. **"Canada" Power and Hand Washer**, complete with Wringer. Shipping weight, 120 lbs. Pulley, 10 1/4 x 2 ins. Should be run at 160 r.p.m. Price **\$21.50**.

### GUARANTEE

We guarantee the "Canada" Power Washer and Wringer to be the best on the market to give entire satisfaction, to replace any and all defective parts, and if after thirty days' trial in your own home it does not do the work better and nicer than any machine of this type on the market, we will take it back and refund your purchase price and freight charges. Try one to-day.

C. S. Judson Co., Winnipeg, Man.

Dear Sirs:—Just a word about your Engine and Washer. I think it is the greatest and best investment on a farm. I would not be without it for a good deal. Washing is no more a hideous job, but rather a pleasure. It washes clean and easy.

Wishing you a hundred more sales.

Respectfully Yours,

(Mrs.) R. L. Mahan, Girvin, Sask.

SATISFACTION GUARANTEED.



# Knoxall High Speed Rotary Washer

THE EASIEST RUNNING HAND-POWER WASHER EVER MADE. Thousands in Daily Use

**BEST** Cyprus Tub  
Gray Iron Castings  
Workmanship

Sold under  
a Positive  
Guarantee  
of  
Satisfaction

Others ask 11.00  
to 12.00.  
Our Price Only

**\$8.<sup>85</sup>**

You can do your washing either sitting or standing. The steam is kept in by a tight cover; the ball bearings and cut gears enable you to work this washer with the least possible exertion.

Don't try to get along without a washing machine, or with a washing machine of the old-fashioned type, which is hard to operate and hard on the clothes.

If you cannot get a "Handy Boy" Power Wash-outfit, buy the high speed "Knoxall," which is right up-to-date in every detail, and do your washing in less than half the time, with less than half the labor, and with no wear or tear on your clothes. It will save its cost price many times over in a short time, and you will find it true economy.

## A FEW OF THE MANY FEATURES OF THE "KNOXALL"

**Economy of Motion**—You can run it while sitting down. All you have to do is to move lever back and forth.

**Ball-Bearing, Smooth Running**—All parts are finished and fitted. It runs much easier than ordinary cast bearings. This will be appreciated by the operator. Rubbers turn with but little effort and clean clothes thoroughly.

**Thoroughness and Speed**—The dasher moves more rapidly than in other machines of this style, washes out every particle of dirt, and does it quickly.

**Construction**—The best cypress is used for this machine. All metal parts are bronzed, and this machine is built to give satisfactory and long service.

In operating it, you do not have to describe a circle as with the ordinary machine. You simply sit down, if you wish, and move the lever up and down, which causes the balance wheel to revolve rapidly, and the pinwheel or dasher inside to move at a more rapid rate than any other machine of this style.

As will be observed, all parts of the mechanism are neatly and properly constructed with regard to strength and durability, are made from the best materials and fitted to a nicety to insure a smooth-running machine. The large fly wheel being provided with two ball-bearings, dispense with practically all the friction at this point. The best of material is used in every part of the high speed "Knoxall" Washer. The tub is of the best cypress, the wood known for washing machine purposes. It measures 22¾ inches inside diameter at the bottom, 21½ inches at the top and 12 inches deep inside. Height from the floor is 31 inches, just the right height to work at conveniently. Inside and bottom are fully corrugated. A spout and plug are provided for drawing off the water.

**GUARANTEED** by us to be equal to any high speed rotary washing machine on the market, regardless of name, make or price. Your money back, if you are not satisfied. Don't forget these features. The only way to tell what a washing machine will do is to try it on several actual washings, not by operating an empty machine. We invite the most critical comparison with other makes.



Our Special Adjustable Handie allows operating this Washer in a sitting as well as standing position.

No. W-3—High Speed Knoxall Washing Machine. Weight, crated for shipping 90 lbs. Our Price.....\$8.85

# QUEEN ROTARY WASHING MACHINE

BETTER IN QUALITY THAN SOLD  
BY OTHERS AT 7.50 TO 8.00

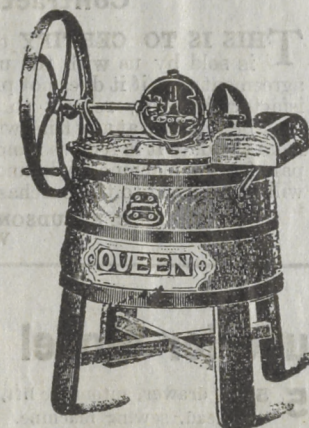
ONLY

**\$6.<sup>50</sup>**

An Easily Operated Machine—Best Rotary Machine Built for This Money.

The Rotary Queen is a high grade direct drive rotary washing machine usually sold at \$7.50. The tub is made of No. 1 Louisiana cypress; measure 23 inches by 12 inches and Gearing is of best quality grey iron castings. Finely finished in natural wood; gearing is gold bronzed.

No. W-4—Weight 85 lbs.  
Price.....\$6.50



# ROYAL BALL-BEARING WRINGER

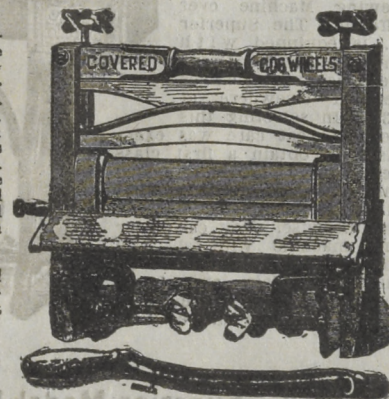
**\$5.<sup>00</sup>**

Large Rolls, Galvanized Castings. Enclosed Gears.

One of the best grade wringers manufactured. Rolls guaranteed for five years. Measure 11 x 1¼ ins. At our price you save money. Protects fingers and clothes. Have steel pressure spring, improved wheel, top screws and reversible drain board.

No. W-5—Selected Maple Frame Wringer. Shipping weight about 30 lbs.

Price.....\$5.00



No. W-7—Same Wringer as above. Rolls guaranteed for only three years. Price.....\$4.00



# High Grade Sewing Machines at Money Saving Prices

**With Every Sewing Machine We Give a Three Months' Trial Contract.**

**THIS IS TO CERTIFY** that this machine is sold by us with the understanding and agreement that if it does not prove entirely satisfactory in every respect to the purchaser, it may be returned at any time within three months from the date it is received and the full amount paid for the machine, including freight charges, will be returned to the purchaser at once.

C. S. JUDSON CO. LTD.  
Winnipeg, Canada

To sell sewing machines under a three months contract with a twenty-year guarantee would be a money losing proposition if the quality of the machines did not make such a plan and terms perfectly safe for us.

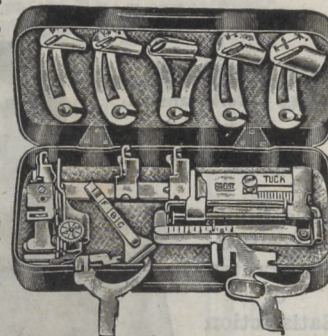
We make this offer because of the confidence we have in these machines to satisfy you the same as they have thousands of others.

We recommend that you buy our high grade Berkley Sewing Machine in preference to any other sewing machine made. Read the description of these machines carefully, then order one on approval without any obligation to keep it, and satisfy yourself.

**LESS THAN \$1.35 A YEAR** is what one of our high grade machines will cost you. You can figure this out yourself by taking the price of the machine which you select and which is regulated by the style of cabinet you choose, and divide this amount by twenty, the number of years for which we guarantee the machine. As an illustration, our most popular six-drawer drop head automatic lift machine is priced at \$26.95. If this investment were divided into twenty years it would mean only \$1.35 a year. Can you afford to invest your money in a cheap sewing machine when you realize that our high grade sewing machine will represent such a small annual expenditure?

**A Set of Greist Attachments furnished with all our machines.**

We furnish the following set packed in a handsome velvet lined metal box, as shown in the illustration: One ruffler, one shirring blade, one under braider, one tucker, one short foot, one binder and one set of hemmers, different widths up to  $\frac{5}{8}$ -inch.



## Superior Model B.

**15.<sup>50</sup>** 5 drawer, automatic lift, drop head, sewing machine. This machine if bought elsewhere would cost you at least \$19.00 or \$20.00.

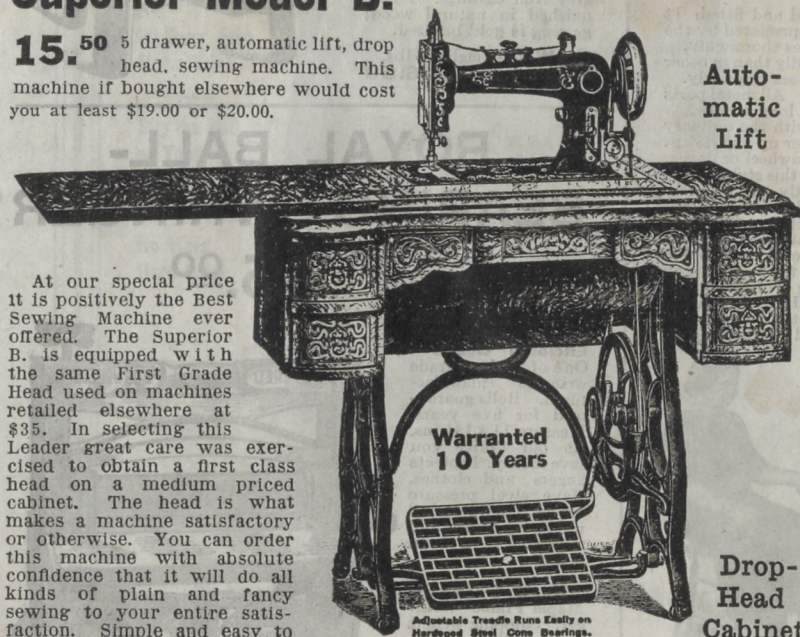
At our special price it is positively the Best Sewing Machine ever offered. The Superior B. is equipped with the same First Grade Head used on machines retailed elsewhere at \$35. In selecting this Leader great care was exercised to obtain a first class head on a medium priced cabinet. The head is what makes a machine satisfactory or otherwise. You can order this machine with absolute confidence that it will do all kinds of plain and fancy sewing to your entire satisfaction. Simple and easy to operate.

Auto-  
matic  
Lift

Drop-  
Head  
Cabinet

Warranted  
10 Years

Adjustable Treadle Runs Easily on  
Hardwood Steel Cone Bearings.



**No. 64A. Superior Model B, with attachments, shipping weight 110 lbs. Price..... \$15.<sup>50</sup>**

## Superior Model C. Sewing Machine HIGH ARM

**Solid Oak Embossed Woodwork**

**10 Years' Guarantee  
90 Days' Home Trial**

This is a splendid sewing machine, and one that has given perfect satisfaction in thousands of homes.

**THE WOODWORK**—Only the most select grade of solid oak is used in the construction of our Model "C" woodwork.

**THE TABLE** is made of selected nicely grained solid oak. The lid is made of built-up stock. The front edge of the table is handsomely shaped, with a full swell in the center. When the machine is not in use the head is lowered from view, the lid covers it, and with the drum at the bottom, completely protects the head from dust and injury.

**THE DRAWER FRAMES**—The frames in which the side drawers are fitted are of the latest skeleton type, made to correspond in design and style with the tables and drawers.

**THE DRAWERS** are very large and roomy, made of nicely grained solid oak. The drawer fronts are handsomely decorated with special embossed figures, and are fitted with an oxidized drawer pull.

**FINISH**—Our Superior Model "C" woodwork is handsomely finished and receives the same care and attention which are given the woodwork furnished with machines for which you would have to pay at least \$25.00. This woodwork is all furnished in the latest golden oak color, a most popular finish.

Remember, this machine is fully guaranteed for ten years.

**No. 64B. Superior Model C, Five-Drawer Drop Head Sewing Machine, with complete accessories \$21.<sup>00</sup>**  
Shipping weight about 120 lbs.

**5 Drawers  
Automatic Lift  
Ball Bearing Stand**

**\$21.<sup>00</sup>**





WE GUARANTEE THE BERKLEY to be the equal of any recognized high grade sewing machine selling elsewhere at \$40.00 to \$65.00. There is NO BETTER SEWING MACHINE MADE than the BERKLEY. Binding twenty-year guarantee. Three months trial.

Automatic Head Lift, Ball  
Bearing Stand, 6-Drawer  
Drop Head.

**\$26.95**



## Special Features of the Berkley Sewing Machine Head

Independent positive cam take up, disc tension, automatic tension release, automatic bobbin winder, extra strong and large feed, high arm head with working space under arm of 5¼ x 8½ inches. All bright parts are heavily nickeled, iron work finished in black enamel.

## Automatic Head Lift Ball Bearing Stand 6-Drawer Drop Head

**\$26.95**

20-YEAR GUARANTEE

Our instruction booklet makes all kinds of sewing easy, and means that you have a thorough instructor with you at all times. It also tells how to properly oil and take care of the machine in every way.

The high grade, highly finished quarter sawed oak woodwork of the Berkley shown on this page makes it one of the handsomest

sewing machines ever manufactured. Note the artistic carvings. The drawers are all enclosed in handsome paneled drawer cases, which are made of specially selected large flaky figured quartered oak. Only the best grade of varnish is used in the finish of this woodwork, which is hand rubbed and highly polished in golden oak color.

Our price includes all accessories and an extra set of high grade Greist attachments.

No. S3—Six-Drawer Drop Head Automatic Lift Ball Bearing Berkley Sewing Machine.

Price

No. S4—Seven-Drawer Drop Head Automatic Lift Berkley.

Price

**26.95**

**28.00**

Shipping weight, about 130 pounds.

## TRY IT IN YOUR HOME FOR THREE MONTHS BEFORE YOU DECIDE TO KEEP IT

The Berkley is the very best sewing machine you can buy. Dealers and agents have been charging \$50.00 to \$65.00 and have sold millions of sewing machines identical in construction with the Berkley. The Berkley Sewing Machine part for part is an exact duplicate of a world-wide sewing machine which for years has been sold only through dealers and agents for \$50.00 to \$65.00. A good sewing machine with ordinary care and for the regular family sewing should last a lifetime. Our Berkley Sewing Machine is manufactured and constructed for this purpose.





Do not let the women folks wear themselves old before their time, when this little engine will run the washing machine with wringer, churn, cream separator, and help them out in dozens of ways. Many a woman has blessed the Judson Handy Boy and Outfit for freeing her from the slavery of chores like these, and the killing work that a woman on the farm must do.



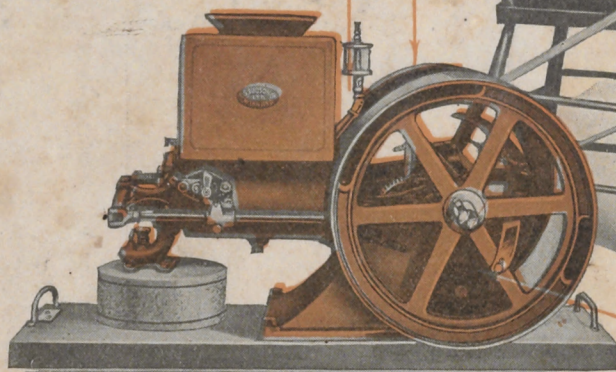
**MAKES FARM LIFE A PLEASURE  
FOR THE WOMEN FOLKS**

AS SHOWN  
READY TO RUN **\$65.00**

CYLINDER AND BASE  
CAST SEPARATELY

For Engine equipped with oscillating  
magneto; gives perfect ignition at all  
times and does away  
with all batteries, add **\$12.50**

SPEED  
CHANGER



AUXILIARY SLOW SPEED  
PULLEY

WASHER RUNS INDEPENDENT OF WRINGER  
OR AT SAME TIME

NO EXPOSED WORKING PARTS

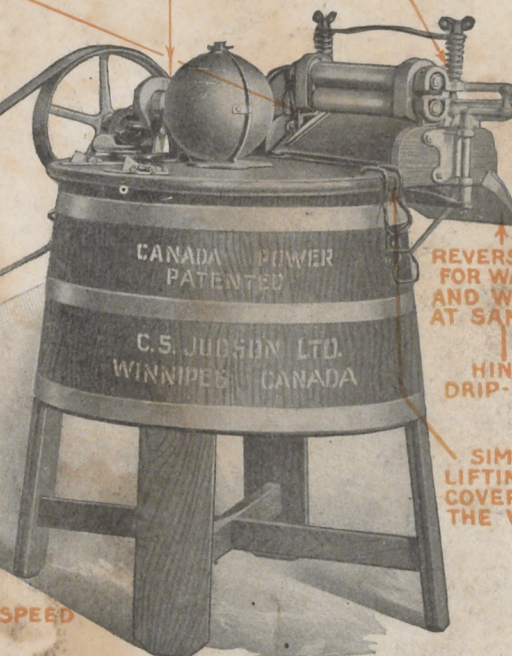
BALL-BEARING WRINGER

**30 DAYS' FREE  
HOME TRIAL**

REVERSE LEVER  
FOR WASHING  
AND WRINGING  
AT SAME TIME

HINGED  
DRIP-BOARD

SIMPLY  
LIFTING THE  
COVER STOPS  
THE WASHER



**THE HANDY BOY 1½ H.P.** is the greatest value in a small power engine on the market, because it gives more horse power for the money than was ever offered by anyone. It will develop nearly 2 H.P., and aside from this, it is the only engine sold **COMPLETE WITH REDUCING GEAR PULLEY** that allows the running of slow speed machines without the aid of a line shaft or governor pulley. It runs so smoothly and steadily that it will stay wherever you put it. You don't have to nail it down to keep it steady; it is perfectly balanced. Shipping weight 350 lbs. Price with batteries..... **45.00**

Price of Engine with Magneto.....

**57.50**

Handy Boy Washing Outfit, including 1½ H.P. Engine, Canada Power Washer, and wringer with belt complete and ready to run, **65.00**

as illustrated above. Shipping weight 450 lbs. Price.....

One Horse Power Washing Outfit, including 1 H.P. Engine, Belt and Canada Power Washer complete ready to run. Shipping weight **54.50**

325 lbs. Price.....

See page 10 for full description of 1 H.P. Engine.

These Outfits will wash the largest washing in a very few minutes, and from the finest laces to the heaviest blankets, doing it thoroughly.



In Winter or Summer the Handy Boy runs just the same. It is so simple that even a woman can run it on wash days, or start it pumping water when you are away. It keeps the boys on the farm and makes life easier for everybody.













Please sign name and address plainly.

From .....

Post Office .....

Province .....

Place  
Three Cent  
Stamp  
Here

**C. S. JUDSON CO., LIMITED**

**WINNIPEG**

**MANITOBA**



